EXHIBIT P

1 2 UNITED STATES DISTRICT COURT SOUTHERN DISTRICT OF NEW YORK _____ NICOLE MORRISON, as Administrator 4 for the Estate of Roberto Grant, and NICOLE MORRISON, as Mother and 5 Legal Guardian for the Property of AG and SG, Decedent's Minor Children, 6 Plaintiffs, 7 Civil Action No. 17 Civ. 6779 (WHP) -against-8 UNITED STATES OF AMERICA, FEDERAL 9 BUREAU OF PRISONS, CORRECTION OFFICER KERN, EXECUTIVE ASSISTANT LEE PLOURDE, 10 and JOHN AND JANE DOE(s) AGENTS, SERVANTS AND EMPLOYEES OF THE DEFENDANTS, 11 Defendants. 12 ______ 13 DEPOSITION OF ZHONGXUE HUA, M.D., a 14 Witness herein, taken by Defendants, pursuant 15 to Notice, via Zoom, on Friday, March 26, 16 2021, at 1:00 p.m., before Monique Cabrera, a 17 Shorthand Reporter and notary public, within 18 and for the State of New York. 19 20 21 22 23 24 25

1 2 APPEARANCES: UNITED STATES DEPARTMENT OF JUSTICE UNITED STATES ATTORNEY'S OFFICE Attorney for Defendants 86 Chambers Street 5 New York, New York 10007 6 BY: JENNIFER SIMON, AUSA 7 Law Office of ANDREW C. LAUFER, PLLC Attorney for Plaintiffs 9 246 West 40th Street Suite 604 10 New York, New York 10018 11 BY: ANDREW C. LAUFER, ESQ. alaufer@laufer.com 12 * * * 13 14 15 16 17 18 19 20 21 22 23 24 25

IT IS HEREBY STIPULATED AND AGREED that all objections, except as to the form of the questions, shall be reserved to the time of the trial; IT IS FURTHER STIPULATED AND AGREED that the within examination may be subscribed and sworn to before any notary public with the same force and effect as though subscribed and sworn to before this court. FREE STATE REPORTING, INC.

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1 Dr. Hua 2 Whereupon, 3 ZHONGXUE HUA, 4 after having been first duly sworn by the 5 Court Reporter, was examined and testified as 6 follows: 7 COURT REPORTER: Can you please state your name and address for the record. 8 9 THE WITNESS: Zhongxue Hua; last name H U A; first name Z H O N G X U E, 415 Main 10 11 Street, New York, New York 10044. 12 EXAMINATION 13 BY MS. SIMON: 14 Q. Good afternoon, Dr. Hua, how are you? 15 A. Good morning. 16 Q. I am the AUSA assigned to this 17 matter. I represent the United States. 18 going to be asking you some questions today. 19 As you can see, we are doing this as a video deposition, so if you could make sure to let 20 21 me finish asking questions before you answer 22 and I will do my best to wait until you finish 23 speaking before I ask the next question. 24 A. Sure. 25 Q. Thank you. FREE STATE REPORTING, INC. Court Reporting Transcription

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5 1 Dr. Hua 2 And if you could also make sure all 3 of your answers are verbal, that will also be 4 helpful for the Court Reporter. 5 If I ask a question and you don't understand, please let me know. If you 6 7 answer, I will assume that you understand. 8 Okav? 9 A. Sure. 10 Q. Do you understand that you are speaking under oath and are sworn to tell the 11 12 truth? 13 A. Yes. 14 Q. Is there any medication or any other 15 reason why you feel you cannot testify 16 truthfully today? 17 A. No. O. I would like to mark -- let me know 18 19 if I should e-mail it -- a copy of the 20 disclosure on his report. Do you have that in 21 front of you or should we e-mail it? 22 A. Yes, I have it in front of me. 23 MS. SIMON: Off the record. 24 (Government Exhibit A was so 25 marked for identification as of this FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 date.) MS. SIMON: Back on the record. 3 4 Q. If you could turn to Exhibits B of 5 this document, please? 6 MR. LAUFER: She is referring to your 7 report, Doctor. 8 THE WITNESS: Okav. 9 MR. LAUFER: He has his report in 10 front of him. I don't know if he has the 11 plaintiffs' disclosure in front of him. 12 MS. SIMON: Off the record again. 13 (Discussion held off the record.) MS. SIMON: Back on the record. 14 BY MS. SIMON: 15 16 Q. Looking at what we have marked as 17 Exhibit A, if you could turn to Exhibit B in 18 that document. 19 MR. LAUFER: The CV; right? 20 MS. SIMON: Yes. 21 Q. Do you recognize the document, 22 Dr. Hua? 23 A. Yes. 24 Q. What is it? 25 A. It's a CV I submitted. FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 Q. And is it an accurate CV? 3 To the best of my knowledge. 4 Is there any more current information 5 that is not included in this CV? A. Nothing on top of my head, no. 6 7 What professional licenses do you currently hold? 8 9 A. It's only medical license in New 10 York, New Jersey, Pennsylvania, Rhode Island and Connecticut. I am not sure I am renewing 11 the Connecticut license or not. It hasn't 12 13 been used for a while. Q. Any other professional licenses? 14 15 Α. No. 16 Q. Have any of these professional 17 licenses ever been suspended or revoked? 18 A. No. 19 Q. Are you board certified? 20 Α. Yes. 21 O. In what? 22 I am in three different areas. One in anatomical pathology, forensic pathology 23 24 and neuro pathology. 25 Q. What was the second one? FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 A. Forensic pathology. 3 Q. And in those three subject matters, 4 do you focus on a subspecialty or not? A. Actually, forensic pathology -- both 5 forensic pathology and neuro pathology are 6 7 considered subspecialties. 8 Q. Then, looking at the second page of 9 your CV, I see a list of publications? 10 A. Yes. 11 Is that accurate and up to date? 12 To the best of my knowledge, yes. 13 Q. Are there any articles that you have authored or co-authored that aren't on this 14 list? 15 16 A. To the best of my knowledge, if I 17 remember I put it in, that's all I can say. O. Are any of the articles or other 18 19 presentations in this list relevant to the opinions that you are providing in this case? 20 21 A. This case is about forensic 22 pathology. Most articles are related to, the 23 presentation relates to forensic pathology 24 except several of them, I mean there are 25 several of them early on in my career that are FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 dealing with anatomical pathology and forensic 3 pathology. 4 Q. So it's your position that all of 5 them are relevant to your opinion in this 6 case? 7 A. All of them are pathology related, some of them are more focused forensic 8 9 pathology; some are purely anatomical 10 pathology. Q. My question is whether any of the 11 12 articles or publications are relevant to the 13 issues that are particular to Mr. Grant's death, though; are any of them? 14 A. If we're dealing with autopsy, which 15 16 ended overhead in pathology, I would think 17 most of them are relevant, just to the degree 18 of relevancy, small or bigger; that's the 19 argument that can be made. Q. Did you review any of these articles 20 21 or publications while you were preparing your 22 report in this case? 23 A. Not to my knowledge or recollection. 24 Q. Then looking at Exhibit C of this 25 document, do you recognize this list? FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

10 1 Dr. Hua 2 Α. Yes. 3 Q. What is it? 4 A. It's a list I submitted in, it must 5 be early 2020, of the cases that I was involved in either depositions or trials for 6 7 the more recent years. 8 Q. Since you prepared this list, have 9 you testified at trial or in a deposition on 10 any case? A. Let me, since I am sitting in front 11 12 of the computer -- no -- oh, yes, there is one 13 deposition I made in September of 2020 in Middletown, regarding a case in Middletown, 14 15 New York, New York State. It's a video 16 deposition sometime in September 2020. Q. Any other recent cases that are on 17 this list? 18 19 A. Not to my knowledge or recollection. 20 Q. In your capacity as an expert in 21 these cases are you typically retained in 22 civil cases or criminal cases? 23 A. Both. 24 Q. And are you typically retained, your 25 civil cases, are you typically retained on

11 1 Dr. Hua 2 behalf of plaintiffs or defendants? 3 A. Both sides. 4 Q. One more frequent than the other or 5 about equal? A. Not to my particular recollection; 6 7 it's similar. 8 Q. You have been retained as an expert 9 by plaintiffs' counsel in this case; correct? 10 A. Yes, in March of last year. 11 O. And in connection with that 12 retention, what services did you agree to 13 provide? A. I was asked to review sets of records 14 of opinion. I reviewed, wrote my report, 15 16 submitted accordingly. 17 Q. Is there a written agreement 18 regarding the services you are providing in 19 this case? 20 A. I didn't hear you. 21 Q. Was there a written agreement 22 regarding the services you're providing in this case? 23

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A. Not on my side. I did receive a

cover letter from Mr. Laufer's law firm.

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12 1 Dr. Hua 2 Q. How much are you getting paid for 3 those services in this case? 4 A. For the review and the report, a 5 standard fee of \$4,500. Q. How much have you billed so far? 6 7 A. \$4,500 plus the deposition, it's ongoing as of now. It's a \$3,500 flat fee. 8 9 Q. Are you entitled to any fees based on 10 the outcome of the case? 11 A. No. 12 MS. SIMON: Off the record. 13 (Government Exhibit B was so marked for identification as of this 14 15 date.) 16 MS. SIMON: Back on the record. BY MS. SIMON: 17 18 Q. I am showing you what we have marked 19 as Government Exhibit B. Do you recognize this document? 20 21 A. Except for the first two pages, yes. 22 O. Understood. 23 By the "first page" you are referring to the cover letter? 24

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A. Yes.

1 Dr. Hua 2 The cover letter that's from my 3 office and the second page is the 4 certifications of business records; those two 5 pages you don't recognize; correct? A. First one definitely I do not 6 7 recognize. The second one, I have no specific 8 recollection. 9 Q. So then turning to the third page 10 that's titled "Report of Autopsy," do you recognize that document? 11 12 A. Yes. 13 Q. And is this the autopsy record that you reviewed in connection with this case? 14 A. Yes. 15 16 Q. Do you disagree with any of the 17 findings or conclusions of the medical examiner, Jennifer Hammers, in this report? 18 19 A. I agree with it. 20 Q. Looking at the second page of the 21 autopsy report, Roman Numeral V; do you 22 disagree where it says "Hypertensive Cardiovascular Disease"? 23 24 A. Yes. 25 Q. Are you familiar with that condition? FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 A. Yes. 3 Q. What is it? 4 A. It basically means someone's blood 5 pressure is high. Q. And with an individual who is alive, 6 7 what are the symptoms or signs of 8 hypersensitive cardiovascular disease? 9 A. It really depends on whether you have 10 a slight, moderate, or severe hypertension. In this case, under Dr. Hammers' report on 11 12 page number 8, there is microscopic 13 examination of the heart tissue, which specifically indicated the slight changes. 14 So it's a disease Mr. Grant has. The 15 16 question is whether he died of the disease or died with the disease. 17 Q. I don't think you answered my 18 19 question. MS. SIMON: Monique, do you mind just 20 21 reading it back? 22 (The last question was read by the 23 Reporter.) 24 A. It depends on if you're dealing with 25 early-stage slight, middle-stage moderate or FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 end-stage severe heart disease or hypertension. It's a spectrum. Early stage 3 4 barely has much symptom at all. Certainly, 5 late stage is different. In this case, according to Dr. Hammers' report, we're 6 7 dealing with early stage of heart disease. 8 O. Let's take those one at a time. What 9 are the symptoms you might see in an 10 individual who is alive with what you would 11 refer to as light hypertensive cardiovascular 12 disease? 13 A. You can have no symptoms at all. You can have symptoms, just some mild chest 14 15 uncomfortableness, headache, very mild. It 16 really depends on -- it's really misleading to 17 say what's a hypertension system. What it depends on is which stage of hypertension you 18 19 are dealing. I have hypertension and I don't 20 have any symptoms. Q. In an individual who has the slight 21 22 version of this disease, other than chest pain or headache, what other symptoms might they 23 24 show? 25 A. Slight usually do not even have chest FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

Τ.	DI. Hud
2	pains. In this case, microscopic. There was
3	no evidence of a heart attack.
4	Q. If an individual with a slight
5	version of this disease is showing symptoms,
6	what symptoms might they show other than we
7	are speaking now about an individual who has a
8	slight, to use your term, a slight version of
9	this disease and you have mentioned that an
10	individual can have no symptoms or an
11	individual might have other symptoms, and you
12	have mentioned central chest pain, potentially
13	a headache.
14	My question is: In an individual
15	with a slight hypertensive cardiovascular
16	disease, what symptoms might they show?
17	MR. LAUFER: Objection. I think he
18	said that already. I will allow him to
19	answer.
20	A. I think you're misquoting. Slight
21	disease usually does not have symptoms. Also
22	it depends on whether one is treated for
23	hypertension or not. If you're treated,
24	control your blood pressure, you certainly do
25	not have blood-pressure related symptoms.
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17 1 Dr. Hua 2 Do I understand you correctly, that 3 an individual with slight hypertensive 4 cardiovascular disease typically shows no 5 symptoms? I want to make sure I understood you, that's all. 6 7 A. No symptoms or nearly no symptom. 8 Ο. Thank you. 9 Another way to say it: It's 10 irrelevant to his or her cause of death. a disease. You live with it, you die with it, 11 as compared to die of your slight 12 13 hypertension. Q. In an individual with moderate 14 hypertensive cardiovascular disease, what 15 16 symptoms would such an individual show? 17 A. It really depends. "Moderate" means blood pressure goes to a certain threshold. 18 19 Which is followed by the next question: Was someone being treated, either treated with 20 21 medication or diet controlled, exercise to 22 cure your symptoms. It really depends on the 23 actual measurement of the blood pressure, 24 whether it has other conditions interfering 25 that cause more hypertension or not. FREE STATE REPORTING, INC.

1	DI. Hud
2	Q. In an individual with moderate
3	hypertensive cardiovascular disease, who is
4	not being treated for that disease, what
5	symptoms might they show?
6	A. It really depends on what your
7	definition of "moderate hypertension" is. If
8	you can give me a blood-pressure number,
9	symptoms, and I would answer accordingly.
10	Q. I am using your term, "slight,
11	moderate and severe." What did you mean by
12	moderate hypertensive cardiovascular disease?
13	A. I would say "moderate" is someone who
14	needs a medical intervention. "Slight" is a
15	lower degree. You can use non-medical to
16	control your blood pressure or with minimum
17	medical intervention, as compared to people
18	with "severe," who are constantly adjusting
19	medication, constant measurement, under
20	doctor's care to control your disease.
21	Hypertension can cause damage to your
22	organs, whether you have any organ damage,
23	specifically heart damage, and brain damage
24	and kidney damage and a heart attack and a
25	stroke.
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19 1 Dr. Hua 2 Q. Using your definition of a moderate 3 hypertensive cardiovascular disease, what are 4 the symptoms an individual might show with 5 that condition? A. When blood pressure is high enough --6 7 Q. Untreated, I should say. When blood pressure is high enough, 8 9 untreated by a physician and adjusted by his 10 or her own lifestyle, which certainly would present a problem, you would expect 11 12 significant enlargement, progressing 13 enlargement of the heart. You would expect heart muscle, as 14 microscopic changes and with ischemia changes 15 16 and with small scar formation in the heart 17 muscle and a stroke -- some can be very small -- and whoever has the disease is probably not 18 19 even aware of it. Certainly in this case, the autopsy performed or if you're alive the 20 21 radiologist's scan performed, you could 22 certainly have a better sense of any end-organ 23 damage, specifically heart, brain and kidneys. 24 Q. Any other symptoms an individual 25 might show with -- I am talking about an

1	Dr. Hua
2	individual who is alive, by the way any
3	other symptoms that an individual with
4	moderate hypertensive cardiovascular disease
5	might show?
6	A. Treated or untreated?
7	Q. Untreated.
8	A. How many years you have this disease.
9	Organ damage will never recover by itself.
10	Early stage certainly do not have organ
11	damage, it's still a recoverable, reversible
12	process, as compared to end stage, end stage
13	of the moderate-type of hypertension where
14	they already have end-organ damage.
15	If a stroke happens, it's a stroke.
16	If heart has lack of oxygen, lack of blood
17	supply, has ischemia or myocardial infarction
18	has kidney damage. It depends on at which
19	stage it's really.
20	I mean, really, not only the
21	severeness of the blood-pressure measurement,
22	also what's the duration of this kind of high
23	blood pressure being in this particular
24	person.
25	Q. If I understand you correctly, you
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1	Dr. Hua
2	are saying it depends on whether they are in
3	the early stages of the disease or whether
4	they have had it for a time; correct?
5	A. The duration of I mean, slight or
6	moderate depends on what's the pressure
7	measurement and, also, depends how many years
8	you have had this disease. If there's been
9	any medically intervention or not.
10	Any medical intervention basically is
11	to lower your blood pressure based on to
12	prolong the lifespan. I mean, no one is
13	killed with the disease after the age of 100.
14	Q. Well, what blood-pressure measurement
15	do you consider to be moderate hypertensive
16	cardiovascular disease?
17	MR. LAUFER: Objection.
18	You can answer, Doc.
19	A. It's evolved over the years.
20	When I was in medical school 25, 30
21	years ago, the blood pressure now more is 140
22	to 90. Over the years it's become 130 to 90.
23	Right now it's really become 120 to 80.
24	It's an evolving concept and really
25	based on the doctors, scientists understanding
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22 1 Dr. Hua 2 of what's the end-organ damage, how to reverse 3 the process, whether it contributes to your 4 blood pressure, cannot reverse, slow down the 5 progression of your hypertension or not. It's a complex process. I do not 6 7 really have a one-sentence answer, if that's 8 what you are looking for. 9 Q. Other than organ damage in an 10 individual with moderate hypertensive 11 cardiovascular disease, what symptoms might 12 they show though if left --13 A. People can get untreated, not taking care of themselves, using drugs, using 14 15 alcohol, heavily smoking at the same time. It 16 certainly will precipitate the disease process 17 much quicker and symptom wise. You would except people would have early symptoms of 18 19 lack of blood supply to your heart. You 20 develop arrhythmia, which is abnormal blood 21 rhythm. You can have kidney damage to a 22 certain degree. 23 It really depends how old are you;

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how many decades you have the disease; you can

have a stroke of various size and shape and,

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23 1 Dr. Hua 2 again, it depends on which kind of degree of 3 hypertension you have and how many years, how 4 many decades you have. 5 Q. Any other symptoms that an individual might have with moderate hypertensive 6 7 cardiovascular disease left untreated than the 8 ones you have already mentioned? 9 A. People can have damage to the brain, 10 damage to the heart, damage to the kidney. 11 Damage to the kidney has sets of kidney --12 damage of brain has sets of brainwave 13 symptoms. Damage of heart can have a set of heart-related symptoms. 14 15 Q. Any other symptoms? 16 A. If under doctor's observation, 17 certainly you have a better chance to observe 18 and control and manage your symptoms. 19 Q. That's not my question. My question is: Other than the symptoms you have already 20 21 mentioned, are there any other symptoms an 22 individual with --23 A. Certainly have miscellaneous --24 MR. LAUFER: It's okay, Doctor, but 25 let counsel finish her question first, then FREE STATE REPORTING, INC. Court Reporting Transcription

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1 Dr. Hua 2 begin your response. Because you are going to 3 drive the Court Reporter nuts. MS. SIMON: Let me ask the whole 4 5 question on the record. Q. My question is: Other than the 6 7 symptoms you have already mentioned, are there 8 any other symptoms an individual with moderate 9 hypertensive cardiovascular disease might show 10 if the diseased is left untreated, other than 11 the symptoms you have already mentioned? 12 A. I would generally describe as --13 untreated hypertension really depends how long the duration you have this kind of moderate 14 15 hypertension. 16 In terms of symptoms, you would 17 expect three sets of symptoms: One related to the brain, one related to the heart, and one 18 19 related to the kidney. MR. LAUFER: So aside from what you 20 21 already said, I think what counsel is looking 22 for, are there any other things --23 MS. SIMON: That's all right. 24 THE WITNESS: That's three major 25 things on top of my head. FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

25 1 Dr. Hua 2 Q. In your practice as a medical 3 examiner, have you examined individuals who 4 have died of hypertensive cardiovascular 5 disease? A. Yes. 6 7 Q. In those cases, what was the basis of 8 your conclusion that an individual died of that disease? 9 A. It would be a biased population. As 10 11 a medical examiner we are dealing with people 12 who die of hypertensive or die for some other 13 reasons unrelated to hypertension. I am not sure of exactly the question you are asking. 14 MS. SIMON: Can you please read back 15 16 the question, Monique? 17 (Last question read by the Reporter.) A. Individual died of hypertension: By 18 19 definition you have the people who have severe 20 hypertension, untreated hypertension, mainly 21 dealing with people with hypertension for 22 prolonged period of times, mainly has end-23 organ damage. It's not hypertension itself, 24 it's the brain damage; it's heart-related 25 damage; it's kidney-related damage. FREE STATE REPORTING, INC.

26 1 Dr. Hua

Again, in heart-related damage it

3 involves vascular rupture. Yes, that's pretty

4 much it.

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Q. Is enlargement of the heart a possible indication that someone died of hypertensive cardiovascular disease?

A. It's the degree of the enlargement of heart. Enlargement of heart will suggest someone has hypertension or other reasons has -- other reasons causing it, not

12 hypertension-related enlarged heart.

It's the degree of enlargement. It's the measurement of the enlargement. More importantly, it's the microscopic section which enlarged the heart tissue but by several hundred fold; see, any previous evidence of lack of blood-pressure supply and previous scar formation are due to heart attack which was not in this case.

21 MS. SIMON: Monique, could you read
22 my question back.

23 (Last question read by the Reporter.)

A. An enlarged heart just suggests

someone could have hypertension, which has no

27 1 Dr. Hua 2 direct or close correlation regarding someone 3 who dies of hypertension. That's an entirely 4 different issue. It's one thing if you have 5 the disease, die with the disease or if you 6 die of the disease. 7 Q. I am trying to figure out a way to 8 understand your views of what an individual 9 who has died of this disease might show in an 10 autopsy. It would really help if you could 11 just answer the questions I am asking. 12 A. I am --13 Q. Let me finish please. I am not trying to accomplish 14 15 anything else except to understand your 16 opinions on a particular issue. So if you 17 could, number one, just answer the question I 18 am posing; and number two, make sure I finish 19 my question. I think this will go a lot 20 faster. Let me ask again. MR. LAUFER: One thing is that 21 22 sometimes at the end of your questions, 23 counsel, you pause a little bit, which I think 24 leaves an opening for him to start answering. 25 If you can just try not to pause, that might FREE STATE REPORTING, INC.

1 Dr. Hua 2 help. 3 Q. Again, if we could make sure I have 4 stopped talking before you answer, Dr. Hua. I 5 think there have been several times where you started talking in the middle of a sentence. 6 7 If we could just do that this would all go a 8 lot faster and please, again, just answer the question I am asking and it will be a bit 9 10 easier on all of us. 11 You have mentioned that you have, in 12 your practice as a medical examiner, certified 13 for individuals who have died of hypertensive cardiovascular disease; correct? 14 A. Yes. It's a diagnosis exclusion. 15 16 Did you say a "diagnosis exclusion"? A. No other disease, no other overriding 17 18 disease, no other trauma, no other 19 intoxication, because hypertension by definition is a natural disease. 20 21 As a forensic pathologist in this 22 country, probably in most countries as well, 23 we define a natural disease as exclusively 24 natural, not 50 percent, not 70, not 80 25 percent. If you can rule out other elements FREE STATE REPORTING, INC. Court Reporting Transcription

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29 1 Dr. Hua 2 you can call someone died of natural diseases; 3 otherwise you would not call someone died of 4 natural diseases; it has to be exclusively 5 natural. Check fourth edition of Spitz & 6 7 Fisher's book, page 436. Q. In those cases where you certified an 8 9 individual as having died of hypertensive 10 cardiovascular disease, what were your 11 findings based on? 12 A. I have to base on there is no other? 13 sets of conditions. No trauma, no cocaine intoxication, no drug intoxication, no other 14 overriding diseases. It's a medical decision 15 16 based on the actual autopsy toxicology 17 examination. It's not something you pull out 18 from your rear back-pocket diagnosis. It only 19 works if you rule on other sets of information; if you rule on other non- natural 20 21 condition which could contribute to their 22 death. 23 If you attribute someone died of 24 hypertension, which by definition is natural 25 disease, therefore, you have to make sure FREE STATE REPORTING, INC.

30 1 Dr. Hua 2 there is no other conditions. Therefore, the 3 question really I am dealing with is whether 4 someone actually died of heart disease or just 5 simply died with hypertension. Q. So you're saying that if you ruled 6 7 out all other causes of death, that's how you 8 determine someone died of hypertension cardiovascular disease? 9 10 A. Rule out all of the non-natural 11 causes of death. If someone died of 12 hypertension, by definition it's a natural 13 disease. Before you assign someone died of natural disease, you have to make sure of no 14 15 other overriding conditions. 16 Q. Is there anything else you look to? to determine whether or not someone died of 17 hypertensive cardiovascular disease? 18 19 Α. Sure. 20 We do a common thing called a microscopic examination. Instead of at day 21 22 one of the autopsy look at heart, weigh it, 23 measure it based on your naked eye, we examine 24 the tissue enlarged by several hundred fold, 25 just like Dr. Hammers did in this case. FREE STATE REPORTING, INC.

1	Dr. Hua
2	Microscopic section of the heart would be
3	examined, to see any evidence of old lesion of
4	the heart. Also, it will give you a better
5	sense of how severe the hypertension is.
6	Measured, the weight itself, it's useful, but
7	can be misleading.
8	Q. Other than a microscopic examination
9	of the heart and the weight of the heart, is
10	there any other aspect of the body you would
11	examine to determine whether or not someone
12	died of hypertensive cardiovascular disease?
13	A. We mainly look for three of the end
14	organs: Heart, brain, kidney. Is there any
15	significant diseases, any previous heart
16	attack, any previous changes can be attributed
17	to hypertensive or not. Also, the age of the
18	patient. Make sure no injury, no
19	intoxication, that's it's supposed to be an
20	absolutely natural component before you assign
21	that someone died of hypertension.
22	Also, ideally, you would expect if
23	someone has severe hypertension instead of
24	slight hypertension, just like in this case,
25	page number 6 showed microscopically. Heart
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32 1 Dr. Hua 2 muscle actually shows slight, S L I G H T, myocardial hypertrophy. It says: No evidence 3 of old infraction or a lack of blood supply. 4 5 Q. Again, I just want to reiterate. 6 Please just answer the question. We are not 7 looking at Mr. Grant's autopsy specifically. 8 I am just trying to ask you, in your 9 experience as a medical examiner, the 10 particular findings in an autopsy that might 11 lead you to conclude someone died of 12 hypertensive cardiovascular disease. That's 13 it. Other than the ones you have 14 mentioned, are there any other --15 16 A. I think I really answered the 17 question previously. Let me just simply 18 recap. 19 If you try to assign someone died of hypertensive, a natural disease, you first 20 21 have to rule out the unnatural aspect. 22 Specifically, nothing trauma, nothing 23 significant intoxication. 24 Second, dealing with hypertension, 25 make sure no other disease can cause the FREE STATE REPORTING, INC.

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1 Dr. Hua 2 patient to die. 3 Third, you want to know how long the 4 hypertensive is. Is there any actual 5 significant and organ damage? You cannot 6 really, based on the examination of the heart 7 brain and kidney grossly, you need to look 8 under the microscope. In this case it was 9 done. 10 Thickening of the walls of the heart, 11 is that someone who could have died of 12 hypertensive cardiovascular disease? 13 A. Thickening of the wall can be due to hypertension or sets of other natural diseases 14 15 or drug intoxication or other sets of 16 conditions. Thickening of the wall just means 17 you potentially, among others, could have 18 hypertension. With the hypertension does not 19 mean died of hypertension, you can simply die 20 with hypertension. 21 Q. I am going to mispronounce this one, 22 but "arterial nephrosclerosis," are you familiar with that term? 23 24 A. Yes. 25 Q. What is that? FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

34 1 Dr. Hua 2 A. It's small vessel changes in your 3 kidney. It can, due to hypertension, can 4 cause small-vessel changes in your kidney and 5 eventually cause your kidneys to dysfunction. People who have hypertension can 6 7 eventually develop a kidney failure and kidney 8 dysfunction, just like eventually, long enough 9 with hypertension, you can develop heart 10 failure, also not relevant in this case. You 11 do not have heart failure, you do not have 12 kidney failure. 13 Q. What is "myocyte hypertrophy," are you familiar with that term? 14 A. It means that the heart is made of 15 16 heart muscle. Heart muscle, medical term 17 called a myocyte. Here we have a slight not moderate, certainly not significant or 18 19 moderate hypotrophy. Slight hypotrophy, 20 slight increase of the size, which information 21 you can only derive under a microscopic 22 examination. There's no evidence of ischemia 23 or a heart attack. 24 Q. Is mild or slight hypertrophy an 25 indication that an individual could have

35 1 Dr. Hua 2 hypertensive cardiovascular disease? 3 A. It depends on the degree. It depends 4 on there's no other conditions can cause myocardia hypertrophy. Then we can say 5 someone potentially has hypertension. Still 6 7 the question: Did he die with the 8 hypertension or died of hypertension. 9 Q. Looking at second page of the autopsy 10 report, see Roman Numeral V, do you disagree with the medical examiner's conclusion that 11 12 Mr. Grant has hypertensive cardiovascular 13 disease? A. I agree with Dr. Hammers' diagnosis. 14 15 Q. Do you agree with that Mr. Grant 16 evidenced Cardiac hypertrophy? 17 A. Slight hypertrophy. That is not on page number 2, it's actually on page number 8. 18 19 Q. My question is just: Do you disagree with Ms. Hammers' findings that Mr. Grant's 20 21 body demonstrated cardiac hypertrophy? 22 MR. LAUFER: Objection. I think he 23 answered the question, counsel. 24 You can answer it again, Doctor. 25 A. I am in complete agreement, but I FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

36 1 Dr. Hua 2 would add one more thing to be more precise, 3 it's slight, S L I G H T, of his heart, 4 myocyte hypertrophy, not moderate not severe, 5 not of his old heart attack. Q. Do you disagree, again, looking at 6 7 page 2, do you disagree with Ms. Hammers' conclusion that Mr. Grant's body demonstrated 8 concentric left ventricular hypertrophy? 9 10 A. Certainly I'm in agreement there is nothing I would disagree with. 11 12 Q. Do you disagree with Ms. Hammers' 13 conclusion that Mr. Grant's body demonstrated moderate arterial lobes nephrosclerosis? 14 A. I would take her word. There is 15 16 nothing to disagree about. I also agree Dr. Hammers' diagnosis, 17 he did not die of hypertension. 18 19 MR. LAUFER: Doctor, just wait for counsel to ask a question. I appreciate that 20 answer, but nonetheless, let's just wait for 21 22 counsel to ask. 23 Q. Dr. Hua, do you agree with Ms.

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Mr. Grant's case?

Hammers' conclusions on the cause of death in

24

Dr. Hua 1 2 A. I disagree. 3 Q. Do you know whether CPU was conducted 4 on Mr. Grant before he died? 5 A. Yes, in the jail as well as subsequently in the hospital. 6 7 Q. Was he intubated in both locations? 8 A. I note, my recollection is he was 9 intubated, yes. 10 Q. What does it mean when an individual 11 is intubated? 12 A. When you're not breathing, just like 13 in Mr. Grant's case, you lack of oxygen. One way to revive you or at least attempt one way 14 to revive you is to make sure you can receive 15 16 oxygen. Since you are not breathing by 17 yourself, that's medically we stick a tube in 18 your airway to help you breath, to pump the 19 oxygen in to make sure that you can receive oxygen, sometimes successfully, lots of times 20 21 unsuccessfully. 22 O. What is the diameter of that tube? 23 A. I do not recall exactly. It really 24 depends on -- I do not have the photograph in 25 front of me. I do not know exactly which kind FREE STATE REPORTING, INC. Court Reporting Transcription

38 1 Dr. Hua 2 of tube people used in this case. 3 roughly around one centimeter, slightly above 4 one centimeter in diameter. It can be hard 5 plastic, it can be soft plastic. It really depends on whatever you have at the time. 6 7 Q. Do you know whether hard plastic or soft plastic was used here? 8 9 A. I do not know specifically. My 10 presumption was, most adult populations would use hard plastic. 11 12 Q. In your practice as a medical 13 examiner, have you examined individuals who were intubated before they died? 14 A. Multiple times. Most people will 15 16 have a certain degree of resuscitation one way 17 or another. The first step is always the airway intubation. 18 19 Q. And can intubation cause hemorrhages, 20 trauma, or other injuries to the body? 21 A. It could. The real question is how 22 much trauma? Yes, it could. To what degree of trauma, that's the actual content of this 23 24 case. 25 Q. What types of injuries could FREE STATE REPORTING, INC. Court Reporting Transcription

Dr. Hua 1 2 intubation cause? 3 A. If you are done properly, you will 4 not cause much injury. If you are done 5 improperly, you will cause lots of damage. You can cause perforation. There are lots of 6 7 things that you can talk about here. 8 Q. When you say "perforation," 9 perforation of what? 10 A. The tube can be perforated to different area. Instead of airway it can go 11 12 to a different area of the organ and cause 13 major blood-vessel damage. It really depends on -- if it's done by EMS or professional 14 15 people who have enough training or not. 16 Q. What other injuries can intubation cause in this case? 17 18 A. Is it depends on how you treat it, 19 proper or improperly. 20 Q. If done improperly what injuries can 21 it cause? 22 A. Improperly you can, instead of resuscitation of the airway, you can touch a 23 24 different portion, a necessary portion of the 25 body which can cause injuries. It really FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 depends on where it was performed; done by 3 professional people, people with training or 4 not. 5 As I mentioned, it can cause perforation. Obviously, we do not have 6 7 perforation here. 8 O. Other than perforation, what types of 9 injuries can intubation cause if not properly 10 performed? 11 A. Intubation alone, you could cause 12 tissue damage, wherever the tube is inserted 13 into. Sometimes people insert tubes properly 14 in the airway, can cause the mucosa in the 15 lining of the airway damage. 16 Sometimes can perform inserted 17 instead of your airway it goes to your food 18 part, the esophagus area. It really depends 19 on who did it, what's the experience, whoever is doing it. Even experienced people can make 20 21 mistakes, but fortunately nothing significant 22 in this case. Airway was properly placed. 23 There is no perforation. 24 Q. You said that an intubation can cause 25 tissue damage; where might that tissue damage FREE STATE REPORTING, INC. Court Reporting Transcription

41 1 Dr. Hua 2 occur? 3 A. It depends on where the tube goes. 4 If it goes to the airway, as I indicated 5 before, it can cause the airway mucosa damage. If it goes to the wrong place, into your food 6 7 pipe instead or your airway, esophagus, I 8 mean, first you do not receive oxygen, that's 9 a big damage. Second, it's not the purpose of 10 the intubation. 11 Q. Maybe this is another way to approach 12 it: When someone is intubated and the tube is properly put in the airway, can you walk me 13 through all of the tissues that that tube 14 would come into contact with? 15 16 A. You mean gently, professionally, 17 adequately placed or roughly, inadequately 18 performed intubation inside the airway? I am 19 not sure what you are actually referring to 20 here. 21 O. Let's take them one at a time. If 22 it's properly done, what tissue might the tube 23 come in contact with? 24 A. It goes through all the way, from 25 upper it goes down. It can be rubbing the FREE STATE REPORTING, INC. Court Reporting Transcription

42 1 Dr. Hua 2 lips. Can cause gum damage. Sometimes 3 people, from the plastic, cause the teeth 4 damage or mucosa. 5 Backwards a little bit, downward a 6 little bit, you have the stroke area, 7 different kinds of mucosa. It really depends 8 on the tip of the tube, where they bump into, 9 and even if properly goes down, you can, 10 inside the airway can cause rubbing against 11 the side of the mucosa. The inner surface of 12 the trachea can get damaged to a certain 13 degree. If you're further down, sometimes it 14 15 can improperly go too deep, can cause the main 16 bronchi damage. It really depends on each individual case, whether it's placed properly, 17 18 professionally or not. 19 All the way down from the start, the tip of your lip all the way down where's the 20 21 tip of the distal end of the endotracheal tube 22 or worse, along its way there is a potential 23 damage of anything along its way, yes. 24 Q. Does that include the trachea? 25 A. It should be in the trachea. You FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

43 1 Dr. Hua 2 would expect it to have some degree of damage 3 in the inner lining inside of the trachea. If 4 you go outside, then it's a perforation, that's a different story. I would no longer 5 characterize it as a properly and 6 7 professionally placed airway. 8 O. Let's take those scenarios one at a 9 time. If the intubation tube is properly 10 placed, can you see hemorrhaging in the 11 trachea? 12 A. Yes. 13 Q. If the intubation tube is improperly 14 placed, can you see hemorrhaging in the trachea? 15 16 A. If properly placed, you would expect 17 a certain degree, usually a moderate degree of 18 the airway mucosa damage. 19 Improperly placed really depends on what improper is. If improper was not even in 20 the airway, certainly you will not have airway 21 22 damage. If you're in the airway and pushing 23 too hard, too rough, then you would expect 24 some damage. It also depends on how much 25 force you're doing it. If you are knowingly FREE STATE REPORTING, INC.

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1 Dr. Hua 2 doing it or unknowingly doing it, sometimes it 3 can be perforated. 4 Q. Looking on the first page of the 5 autopsy again, the first Roman numeral, Roman Numeral Number I contains a list of blunt-6 7 force trauma. Do you see that? 8 A. "Blunt-force trauma, head, neck torso and extremities"? 9 10 Yes. Q. Do you see under that, it's number E, 11 as in Edward, it says "Contusion, right lower 12 13 lip"? A. Yes. 14 15 Q. Is that an injury that could occur 16 with the placement of an intubation tube? A. It's a common side effect of 17 intubation. 18 19 Q. And F, where it says "Excoriations, oral mucosa of the lips." Is that an injury 20 21 that could occur as the result of an 22 intubation tube? A. It's fairly common and insignificant 23 24 in a way. 25 Q. What about G, "Neck muscle and FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

45 1 Dr. Hua 2 soft-tissue hemorrhages, multiple bilateral," 3 are those injuries that could result from the 4 placement of an intubation tube? 5 A. You can have injury to a certain degree. The question is multiple, that's 6 7 troublesome, especially in conjunction with 8 other autopsy findings listed A and all the 9 way down. 10 Q. The injuries listed under G, my question is simply whether those injuries 11 12 could occur as a result of the placement of an 13 intubation tube? 14 A. Injury could occur. The question is the key words "multiple" and "bilateral," to 15 16 what degree? I mean, no one won't consider 17 evaluating anything in a vacuum. In the 18 context of this case, another way to say in 19 the context of other findings of this case, is 20 all injury due to intubation? My answer is "no." 21 22 Q. I don't think you are quite answering my question. 23 24 MR. LAUFER: I believe he did, 25 counsel, but you can go a bit further. That's FREE STATE REPORTING, INC. Court Reporting Transcription

1 Dr. Hua 2 fine. 3 Q. Let me try it a different way. 4 In cases where you have examined a 5 body, not this one, in cases where you have examined a body, an individual for whom CPR 6 7 was performed who was intubated before their 8 death, would you have ever observed in those 9 cases neck muscle and soft-tissue hemorrhages? 10 A. Yes. O. And in the event that the CPR was not 11 done well, that it was not done properly, is 12 13 it possible that those hemorrhages could be multiple and bilateral? 14 15 MR. LAUFER: Objection. 16 You can answer. 17 A. Everything is possible. Just, I 18 mean, it's possible, yes. The question is, is 19 it probable in the context of the totality of this case? 20 Q. Under H it says, "Tracheal ring 21 22 hemorrhage large." Is that an injury that 23 someone could suffer as a result of 24 intubation? 25 A. If done improperly, yes. FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 Q. Looking at I, it says, peri-carotid artery hemorrhages, bilateral," is that an 3 4 injury that could occur as the result of the 5 placement of an intubation tube? A. Unlikely, due to intubation, going in 6 7 the context of this case. 8 Q. What are peri-carotid artery 9 hemorrhages? 10 A. Both side of the neck, right and left, away from your airway, windpipe, there 11 12 is a vessel, artery called the carotid artery, 13 and tissue nearby has hemorrhaged. In this case there was no neck line, intravascular 14 15 line placed. The presence of bilateral 16 hemorrhage, the only large answer is some 17 force being applied on the outside of the neck 18 caused the corresponding hemorrhage. 19 Q. J, looking at the same list, it says "Hemorrhage of the tongue." Is that an injury 20 21 that could be caused by the placement of an 22 intubation tube? 23 A. It's very commonly associated. 24 Again, just like it can be due to the tube or 25 due to things other than the tube, I would FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

48 1 Dr. Hua 2 never put much premium on the tongue injury 3 alone. 4 Q. Looking at number, in this list, the one that says, "Petechial hemorrhages of the 5 eyes. Periorbital soft tissue and muscle, 6 7 oral mucosa, posterior oropharynx, base of 8 tongue, trachea, esophagus and temporalis 9 muscles." 10 What are petechial hemorrhages? 11 A. It's a small vessel rupture, caused a 12 pinpointed brain bleeding in a corresponding 13 area. In this case, we not only have -- in A was described "petechial." The exact word Dr. 14 Hammers uses is called "abundant," A B U N D A 15 16 N T, on the bottom of Page 4. In this case I 17 specifically do a rough count of how many 18 petechial hemorrhages. My counting stopped at 19 There was no point to further count. It's not like I cannot do it, it's just that I 20 21 refuse to waste my time here. 22 MS. SIMON: We are going to take a

MS. SIMON: Let's go back on the FREE STATE REPORTING, INC.
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(Whereupon, a recess was taken.)

ten-minute break. Off the record.

23

24

1 Dr. Hua 2 record. BY MS. SIMON: 3 4 Q. Dr. Hua, you said that petechial 5 hemorrhages are pinpoint hemorrhages caused by the ruptured vessels. Do I understand that 6 7 correctly? A. Rupture of the small vessels. 8 9 Q. And I will ask again and, again, 10 please just answer the question: What can 11 cause petechial hemorrhages? 12 A. Any reason can potentially cause the 13 inside of the vessel, the pressure increased, put through a certain threshold will cause the 14 15 petechiae. 16 Q. Can CPR and intubation cause 17 petechial hemorrhages? 18 A. Improperly, yes. Even a properly 19 performed can cause slight amount of petechial hemorrhage. It's not abundant or not, not in 20 21 the context of this case. 22 Q. Can improperly done CPR and 23 intubation cause abundant petechial 24 hemorrhages? 25 A. In the context of this case, the FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1	Dr. Hua
2	answer is no.
3	Q. Why is that?
4	A. Because there are other associated
5	findings; extensive amount of hemorrhage in
6	the neck, front and back, right and left,
7	upper middle and lower portion of the neck,
8	which all associated with the other finding is
9	petechial hemorrhage, as well as big patches
10	of hemorrhage on both sides of the eyes.
11	Q. That's not my question. My question
12	is: Can improperly done CPR cause abundant
13	petechial hemorrhages?
14	A. It's a misleading, yes. Yes, it can
15	cause it, but not in the context of this case.
16	With "abundant," it's a misleading, yes?
17	Q. I am not asking about another case.
18	I am asking in general: Can CPR and
19	intubation improperly performed cause abundant
20	petechial hemorrhages?
21	A. Extremely unlikely, unless can you
22	define how unprofessional the CPC was
23	performed? If you can define that, I will
24	probably give you a better answer.
25	Q. How can improperly done CPR or
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1 Dr. Hua 2 intubation cause petechial hemorrhages? 3 A. It's not intubation. It's mainly 4 because the chest compression can cause 5 petechial hemorrhages to a certain degree. 6 It's just compression and the manipulation can 7 cause the intravascular pressure increase, can 8 cause some vessel rupture, but not to abundant 9 degree, especially in the context of this 10 case. 11 O. What degree of chest compression 12 would be required to cause abundant petechial 13 hemorrhages? A. Only if they're done properly or not. 14 I mean, we're dealing with petechial 15 16 hemorrhage, petechial hemorrhage alone. 17 Improperly performed over compression of chest 18 can certainly cause petechial hemorrhage, but 19 should not cause neck muscle hemorrhage. 20 I mean, no one is dealing with things 21 in a vacuum and one piece of evidence. It's 22 in the context of this case, that's what I am 23 looking at. 24 Q. Again, I just ask that you answer the 25 question. I am not asking about the context FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

Τ.	DI. nua
2	of this case, I am asking you specifically
3	what degree of chest compressions can cause
4	abundant petechial hemorrhages?
5	A. If they're done professionally, it
6	should not have abundant. There is no I
7	mean the sky is the only limit of
8	unprofessionally, improper chest compression
9	which can cause petechial hemorrhages of
10	various degrees, but again, look at the
11	context of this case. Otherwise you get a
12	misleading "yes."
13	Q. I am not asking about this case, I am
14	asking in general: What degree of chest
15	compressions can cause abundant petechial
16	hemorrhaging?
17	MR. LAUFER: Objection. You can
18	answer.
19	A. If they're done improperly for a
20	longer period of time, you could cause
21	significant amount of petechial hemorrhage.
22	If you can define what "significant," what
23	"abundant" is, I mean probably Dr. Hammers is
24	the better one to define. She is the one who
25	used the word "abundant." The way I look is
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1	Dr. Hua
2	more than 50. I don't know if that's your
3	definition of "abundant."
4	Q. Looking at B in this list, where it
5	says, "Blotchy sclera hemorrhages bilateral,"
6	what does that mean?
7	A. It's instead of pinpointed small
8	vessel hemorrhage, as in the background of one
9	dot, here with a big patch just like the
10	autopsy picture demonstrating this picture
11	both sides, the large patches instead of
12	pinpointed breathing spot.
13	Q. Can chest compressions or other
14	aspects of CPR cause this sort of hemorrhage?
15	A. It depends on how much. It depends
16	on how chest compressions were performed.
17	It's potentially, yes.
18	Q. Looking at C, "Subcutaneous
19	emphysema, eye lids and periorbital tissues,"
20	what does that mean?
21	A. It means air accumulation in the soft
22	tissues, which is more related to the
23	intubation. Was it done properly, over or
24	under pressure of the outside air, that's why
25	you have emphysema. It's the air being
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54 Dr. Hua 1 2 accumulated inside the soft tissue. MS. SIMON: Could you read that last 3 4 answer back. 5 (Last answer read by the Reporter.) Q. I am going to break that down a 6 7 little bit because I am not sure I understood 8 your answer. 9 So just to make sure I understand 10 what you are saying, "subcutaneous emphysema" 11 is air accumulation under the skin; correct? A. Yes, that's the definition of 12 13 emphysema. It's air being accumulated in somewhere, here the subcutaneous, in the soft 14 tissue underneath the skin. 15 16 Q. And eye lids, that term fortunately I 17 do know, but "periorbital tissues" means around the eyes; right? 18 19 A. Yes. 20 Q. And what can cause subcutaneous 21 emphysema? 22 A. Air being trapped into the soft 23 tissue, which either done properly or 24 improperly way of doing it causes air being 25 trapped in the tissue. FREE STATE REPORTING, INC.

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55 1 Dr. Hua 2 So improper CPR can cause 3 subcutaneous emphysema? 4 Improper can cause, just as proper can cause as well. It's a known side effect. 5 It's a known, well-documented side effect. 6 Q. And is it a side effect of chest 7 8 compressions of the mouth-to-mouth portion of 9 CPR or intubation or something else? 10 A. It's the pressure being run too high towards the airway area and also because the 11 12 airway, I mean, they probably improperly 13 positioned the tube; the air was always running to whatever the least resistant is, 14 15 not directly going to the lung, but here going 16 to the adjacent soft tissues as well. 17 Q. I am just trying to understand what 18 portion of CPR, but I think you answered it. 19 You are saying an improperly positioned intubation tube might cause the air flow to go 20 21 somewhere where it's not intended; correct? 22 A. Yes. Even properly performed CPR would cause airway trapping in soft tissue as 23 24 well. 25 Q. In subcutaneous emphysema of the kind FREE STATE REPORTING, INC. Court Reporting Transcription

1 Dr. Hua 2 noted here or any other kind, can it look like 3 bruising, swelling of the skin? 4 A. It's the swelling of the skin, then 5 bruising of the skin. Q. Look at distension, this is number D 6 7 on the same list, "Distention of neck veins and temporal vessels, marked," what is that? 8 9 A. Instead of the normal caliber vessel, 10 here the vessel is very congested. There was 11 blood to the degree of obvious, to a degree deserved to be mentioned by Dr. Jennifer 12 13 Hammers on the first page of her report. It's described as a mark in the end. 14 15 Q. Where are the temporal vessels 16 located? 17 A. In the temporal area, the side above 18 your ear, in that region. 19 Q. And the neck veins, I assume, are on either side of the neck? 20 21 A. Yes, roughly. 22 Q. Don't let me -- where are they 23 located? 24 A. There is neck vein on all areas of 25 neck. Two of the bigger ones on the side and FREE STATE REPORTING, INC. Court Reporting Transcription

1 Dr. Hua 2 the small branches in the front, the back, all 3 over the place. 4 Q. And what can cause distension of neck 5 veins or the temporal vessels? A. It's inside pressure become high; 6 7 therefore, it's dilated, therefore, it's 8 called marked dilatation as defined by Dr. Jennifer Hammers. 9 10 Q. My question is, what can cause it? 11 A. Inside pressure becomes higher than normally expected to be. 12 13 Q. What can cause the inside pressure to become high? 14 15 A. Any compression of the neck can 16 certainly cause, any obstruction in different 17 area can cause, and there is a long list. The 18 short answer is pressure inside of the vessel 19 much higher than usual. 20 Q. When you say obstruction of the 21 airway, could an intubation tube cause harm? 22 A. Not intubation, it's here the 23 dilatation distention vessels. It is the 24 inside pressure of the vessel is higher, 25 nothing to do with the airway per se. FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

Ţ	Dr. Hua
2	Q. I thought you just said obstruction
3	of the airway can cause distension of these
4	things?
5	A. I said it's compression of the neck.
6	I am not saying if I said it, I was
7	misspoken. Compression of the neck prevents
8	blood flow, therefore, causing distension of
9	the vessel. Here we talk about marked degree
10	of significant degree of distension, as
11	defined by Dr. Hammers under 1D.
12	Q. Take a step back again, not about
13	this case specifically, just in general, what
14	can cause distension of neck veins in the
15	temporal vessels?
16	A. Anyone can prevent the proper flow of
17	the blood, can cause the dilatation,
18	significant dilatation in this case, of the
19	vessel. Compression of back flow or overflow
20	I mean, here we are dealing with the
21	vessel. There's always one vessel pumping,
22	the other vessel coming back.
23	Any elements, any condition can cause
24	the pressure high, will cause the dilatation
25	of the vessel. Like in this case we have
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59 1 Dr. Hua 2 significant neck injury, which indicates there 3 is compression of the neck, which certainly will be one of the conditions that can cause 4 5 significant marked distention of the neck vessel -- neck vein. 6 7 Q. You said "any prevention of the proper flow of blood" can cause distension of 8 9 the neck veins and temporal vessels; right? 10 A. Any condition prevented the proper 11 back circulation of the neck vein, which is 12 seeding back to your heart. If you prevent 13 its flow, it will cause the dilatation of the vessel inside pressure of heart. Compression 14 of the neck, can certainly do it. 15 16 Q. Can CPR or intubation cause a 17 prevention of the proper flow of blood back to the heart to cause distention of the neck 18 19 veins and temporal vessel? A. Potentially, yes. The question is: 20 21 To what degree? 22 Q. Look at K in the same list, 23 "subscapular hemorrhage, occipital, two inches each; " what do those refer to? 24 25 A. It's in the occipital back portion of FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

60 1 Dr. Hua 2 the head area. Under the skull there is tiny 3 hemorrhage, three of them; three of them in 4 total, each about two inches. 5 Q. In your view, Number K, the subscapular hemorrhages, were they the cause 6 7 of Mr. Grant's death? 8 A. It's the general autopsy finding. I 9 mean, all that means is that pressure being 10 placed on that particular area. That's why 11 you have the bleeding in this particular area, 12 that's all that means. 13 The question is, what is the context? Why you have this? I do not know. Was it 14 contributing to anything, contributed nothing, 15 16 contributed significantly or a little bit to the cause of death, I do not know. It's just 17 18 simply there. 19 Q. L says "cerebral edema," what is that? 20 21 A. Normal brain has its own 22 configuration. For whatever the reason, lack 23 of oxygen is one of them, lack of blood supply 24 is another reason, brain can become -- the 25 first response of the brain is to become more FREE STATE REPORTING, INC.

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61 1 Dr. Hua 2 swollen; more fluid accumulation inside, more 3 congested than usual. That's why, look at 4 autopsy picture indicating the brain has 5 moderate degree of swelling and edema, which I agree with the autopsy picture by Dr. Hammers, 6 7 but I understand later on the neural 8 pathologist just thinks everything is normal. 9 Q. What can cause cerebral edema? 10 A. Lack of oxygen, lack of proper blood circulation to your brain area. The first 11 12 manifestation will be brain swelling edema. 13 Obviously, head trauma can cause that, we are not dealing with this. I mean brain trauma 14 15 itself can cause swelling edema; obviously, we 16 are not dealing with that. 17 Q. Looking at M, it says: "Hemorrhage, 18 left forearm muscle 5 inches, right elbow, 19 half inch, left shoulder 4 inches, and right lateral chest soft tissues is 1 inch." 20 21 A. That's means the bruises hemorrhage 22 in the different portions of the arm and leg 23 area as the causal area being found, being 24 documented as it is. 25 Q. Would any of those hemorrhages have

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1 Dr. Hua 2 caused Mr. Grant's death? A. Arm and leg area, obviously not. 3 4 Chest area, depends on how it occurred. I 5 mean, someone had to explain it, why he has so many bruises at different portions of the 6 7 body. According to witnesses there is no 8 9 trauma, nothing wrong. It's more, for me, 10 it's what Dr. Hammers sees, what Dr. Hammers documented and a further step for me is why 11 12 all the other witnesses did not see any 13 injuries at all. Q. Dr. Hua, if someone fell from a 14 sitting position or a standing position on to 15 16 the floor, could that cause the hemorrhages of 17 the type that are listed here under M. A. It's unlikely based on the 18 19 distribution alone. If you fall, you would expect the fall, unless you have multiple-20 21 force trauma, you would expect a fall would 22 cause injury on one plane, right or left, 23 front or back, and usually on the protruding 24 portion of the body. 25 Q. Could chest compressions or some FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 other aspect of CPR lead to a one-inch 3 hemorrhage on the chest? 4 A. It could, yes. 5 Q. I don't think you answered that. I said it could. The short answer is 6 7 "yes." 8 Q. Going back to a question I asked 9 earlier though, is it your understanding that 10 -- let me rephrase that. The hemorrhages that are listed under 11 M, could any of them have been fatal? 12 13 A. By itself, no. 14 Q. Looking at number N, "Deep lung parenchymal laceration, lower left lobe." 15 16 What is that referring to? A. It's here Dr. Hammers described the 17 18 lower portion of the left lung. There is a 19 breakage of the tissue, about 1 inch. I do not see -- at least I cannot find a 20 corresponding photograph. I don't know what 21 22 that means. 23 Q. Is it possible that a lung could be 24 lacerated when removing it from the body 25 during the autopsy? FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1 Dr. Hua 2 Most likely in this case. In the 3 context of this case, it's the most likely 4 scenario. I mean, it's a postmortem exam. 5 Q. You mentioned "according to witnesses"; what witness are you referring to? 6 7 A. There is a one-page report, the witness indicated he did not suffer any 8 9 trauma, that's my understanding. Witness 10 indicated he was smoking something which is not substantiated by subsequent toxicology, 11 which has indicated he had no trauma, which is 12 13 contradicted to subsequent autopsy finding. 14 Q. Where are you reading from? 15 A. I think it's one page. 16 Q. There's a Bates Number in the lower 17 right corner, perhaps? A. I think I do not have the Bates 18 19 Number. It's the only page of the medical leader investigator, but it's a supplemental 20 21 case information by the OCM on May 19th. It 22 mentioned something, someone saw him, he was 23 smoking something in the jail cell that 24 smelled like a marijuana. Also, nobody 25 indicated he was in the middle of a fight with FREE STATE REPORTING, INC.

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1 Dr. Hua 2 anyone. Q. Just looking at the document that we 3 4 have marked as --5 A. Okay, I can pull that page. Q. -- Exhibit B. I just want to make 6 7 sure we're referring to the same page. A. All right. 8 9 Q. What's Bates stamped US 03606. 10 just want to make sure that you have that 11 page. 12 A. At 3608, mentions some witness saw 13 him smoking something in the jail cell that smelled like marijuana. 14 0. 03608? 15 16 36608, US 03608. 17 Q. Other than the information on that 18 page, did you review any witness statements or 19 interview notes? A. I was not provided other information. 20 21 What I received, what I reviewed will be 22 listed on the first page of my report, second 23 paragraph. I did find a mistake of my report, 24 second paragraph: Total autopsy photo I 25 reviewed is 332 not 338. I just added up FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902 Balt. & Annap. 410-974-0947

66 1 Dr. Hua 2 together, should be 332 photos, autopsy 3 photos, not 338. 4 Q. Turning to your report then, I think 5 you said, looking at Paragraph 2, I think you said but just to confirm, that's a complete 6 7 list of the records you reviewed in creating 8 this report? 9 A. In my report of March 11 of 2020, 10 yes. The only additional item I received is the Dr. Jim Gill report, I think sometime 11 12 early this year. 13 Q. Did you review medical records from New York City Presbyterian Hospital? 14 A. I was not provided, so therefore I 15 16 did not review. 17 Q. Did you review FBI form 302 interview notes? 18 19 A. No, I did not receive it. Q. Did you review any notes from 20 interviews with the staff at the Bureau of 21 22 Prisons? 23 A. I was not provided any of this. 24 Q. In drafting a report, did you take 25 any notes? FREE STATE REPORTING, INC.

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1 Dr. Hua 2 A. I usually do everything on the iPad, 3 I do not generally take paper notes. 4 Q. Do you have notes on your iPad? 5 A. Highlighted, just like that, marker 6 highlighted for my review, yes. 7 Q. Other than highlighting of the 8 documents that you've mentioned, are there any 9 other notes that you have taken in connection 10 with this case? 11 A. In review of last night and today, I 12 generated a one page, I guess one-page notes, 13 cheat sheet I call it, specific picture, fourth edition, Page 436. 14 MS. SIMON: We will call for 15 16 production of the notes. 17 MR. LAUFER: If you will just give me 18 a copy of that, Doctor. 19 THE WITNESS: Sure. 20 MR. LAUFER: Thank you. 21 Q. Looking at paragraph 5, second 22 sentence says: "3 postmortem toxicology 23 reports, two at OCME and one at MMS, revealed 24 no acute intoxication by drug prescription 25 medication or alcohol." FREE STATE REPORTING, INC. Court Reporting Transcription

1	Dr. Hua
2	Do you know whether the toxicology
3	tests conducted on Mr. Grant included all
4	possible synthetic chemtinoids?
5	A. All synthetic chemtinoids which we
6	have a test for.
7	Q. Are there synthetic chemtinoids for
8	which we do not have a test?
9	MR. LAUFER: Objection, but you can
10	answer.
11	A. Yes.
12	Q. In 2015 were there synthetic
13	chemtinoids for which we did not have a test
14	A. Obviously, yes.
15	Q. I just want to make sure I have the
16	final version of the report. In my version
17	it's missing paragraphs
18	A. I noticed that. I just noticed that
19	I am missing a 6.
20	Q. That's fine. I just want to make
21	sure I didn't have a draft.
22	Looking at number 7. You say, "Per
23	autopsy photographs, Roberto had autopsy
24	evidence of neck compression."
25	What particular photographs are you
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1 Dr. Hua 2 relying on to make that conclusion? 3 A. Multiple photographs showing front, 4 back and neck, right and left side neck, there 5 is soft-tissue hemorrhage, both superficial as well as deep in the upper portion, mid 6 7 portion, as well as lower portion of the neck. 8 All documented in Dr. Hammers' report. 9 Q. I am asking you to identify the 10 specific -- you said you relied on --11 A. Do you want me to read the report? I 12 can do that also. 13 Q. You indicated you relied on photographs, not just the report. I am asking 14 15 if you relied on photographs, if you could 16 identify which photographs? 17 A. Photographs in conjunction with the 18 autopsy report. 19 Q. My question is which photographs? 20 A. I was not at the time of the autopsy. I depend on whichever the records, Dr. Hammers 21 22 generated; properly or improperly, that's a 23 different issue. That's why you do not 24 analyze a case intentionally in the vacuum, 25 pick and choose, it's called misleading. Yes, FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

Τ	Dr. Hua
2	if that's what you want, that's what you get.
3	Q. Dr. Hua I am asking, number 7 says
4	"per autopsy photographs." I am just asking
5	which photographs?
6	A. Per autopsy photographs, Roberto has
7	autopsy okay, that's good. All I have to
8	answer is I have received a total of 332
9	photographs on two CD's specifically. The
10	only reason I noticed mistake of 332 instead
11	of 338, is because when I received Dr. Jim
12	Gill's report, he received a total of 15.
13	I am reading Dr. Jim Gill's report,
14	page 1, under number 2, OCM autopsy imaging,
15	51; radiograph 12. I did not receive
16	radiograph.
17	His conclusion is based on 51 autopsy
18	imaging actually, autopsy imaging I
19	received was 332, which is significantly more
20	than he had. Obviously, he received 12
21	radiograph x-ray imaging which I do not have.
22	If you want a report, I can point a
23	number to you, if that is what you want.
24	Q. My question is just in number 7 you
25	indicate "per autopsy photographs," and I
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1	Dr. Hua
2	would like to know which specific autopsy
3	photographs you are referring to?
4	A. When we physicians say "autopsy
5	photographs," it is two layers of meaning:
6	First, what is positive finding, what the
7	injury is; second, what is not positive
8	finding, which no injury is.
9	In this case, the neck pictures
10	started from imaging 119 all the way down to
11	152. It says different layers of neck muscle.
12	It's mainly from the front, different layer of
13	front, right and left.
14	In addition, that's the first CD, the
15	second CD the first CD contained a total of
16	166 imaging. The second CD contained another
17	additional 166 imaging, starting from imaging
18	177 all the way down to 233.
19	In addition, the imaging from 289
20	further down to 296, that's regarding the neck
21	soft-tissue injury, which is obviously
22	significantly more than Dr. Gill has access
23	to, a total image of 51. We are talking 330
24	images here.
25	MS. SIMON: You got cut off for a
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1 Dr. Hua 2 second. Monique, could you just read back his 3 4 last few sentences. 5 (Last two paragraphs of previous answer was read by the Reporter.) 6 7 Q. The injuries you described in number 8 7, are those the same injuries that are 9 described in the autopsy report? 10 A. Okay. We are just dealing with the 11 first sentence of number 7, the neck 12 compression related injuries. 13 The second part is more related to the petechial. 14 (Off the record to correct technical 15 16 issue.) 17 MS. SIMON: I'm back. 18 A. The pictures, the number, index 19 number I gave you, is only dealing with the first sentence of paragraph number 7. The 20 21 second paragraph is more specific information. 22 It reads as: "Specifically, Roberto has 23 multiple, significant and recent injury to his 24 neck soft tissues as well as multiple and 25 significant eye petechial hemorrhage." FREE STATE REPORTING, INC. Court Reporting Transcription

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1 2 If you want to point out an eye 3 petechial hemorrhage, I would be more than 4 happy to do it, but it's obviously in the 332 5 photographs that I received that reflect that 6 and also documented by Dr. Hammers' autopsy 7 report as well, which she characterized as 8 "abundant," I think on Page 2 or Page 4 of her 9 report -- Page 4 of her report. 10 Q. Let me be clear. My question is: 11 The injuries that you described in 12 Paragraph 7, I am referring to all of the 13 injuries that you have identified in Paragraph 7, are those also included in Dr. 14 Hammers' report or are there injuries that you 15 16 have identified in paragraph 7 that are not in 17 the autopsy report? A. All injuries I have summarized in 18 19 paragraph 7, it's in the autopsy photograph as 20 well as Dr. Hammers' report. 21 Just to be clear, you initially asked 22 me to describe the index, the pictures of 23 corresponding neck injuries, that's the 24 picture index figures I gave you. In

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addition, the second sentence of paragraph

1 Dr. Hua 2 number 7 indicated the multiple and 3 significant eye petechiae and hemorrhage, both 4 being reflected in Dr. Hammers' report, as 5 well as the 330-plus photographs that I received. If you want that to be pointed out, 6 7 I will be more than happy to do that as well, 8 just like the neck soft tissues. 9 I understand lots of pictures Dr. 10 Gill did not have. 11 O. Just for the record, you are basing 12 your views on the number of images Dr. Gill 13 has in his report; correct? A. Yes. His total of 51. 14 15 Q. Are you basing it on any other 16 information? 17 A. No, based on total number of --18 Q. Okay, thank you. That's all. 19 Looking at Paragraph 7 still, you say there was autopsy evidence of neck 20 21 compression. Can you point to me where in the 22 autopsy report you concluded there was 23 evidence of neck compression? 24 A. Neck compression means neck muscle 25 injury. Autopsy report indicated neck muscle FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1	Dr. Hua
2	injury, starting from Page 5, mid section of
3	Page 5, the first sentence is: "The neck is
4	with evidence of hemorrhage as follows," all
5	the way back to page number 6, the end of the
6	first paragraph, ended with: "There is a
7	discrete 1" x $1/2$ " hemorrhage at the medial
8	aspect of the right semispinalis cervicis
9	muscle." That's in the back of the muscle.
10	In addition, just like the second
11	sentence of my paragraph number 7, which
12	described the petechial hemorrhage in this
13	case, in Dr. Hammer's report it was documented
14	in last paragraph of page number 4, starting
15	with "eye lids" and periorbital area, that
16	paragraph, all the way down to the end of the
17	first paragraph on page number 5 and ending
18	with: "Smaller blotchy hemorrhages in medial
19	aspect of the eyes."
20	Q. Is it accurate to say there are sort
21	of two main categories of evidence that you
22	view as evidence of neck, which are, number
23	one, the hemorrhages that are described in the
24	neck and, number 2, the petechial?
25	A. In the context of this case, yes.
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76 1 Dr. Hua

- 2 Starting with the first one, the 3 evidence of the hemorrhages?
- 4 A. It's also included on the summary 5 page, autopsy page, Page 1 of Dr. Hammers' report as well -- as well as subsequent 6 7 microscopic report between pages 7 and 8. All
- 8 of the hemorrhage area was microscopically 9 analyzed; turns out to be a recent injury not 10 old injury damage in this particular area.
- 11 O. If someone has a hemorrhage to some 12 of the neck muscles or the tissue, is it 13 possible to tell in all circumstances whether that was an internal cause or an external 14 cause? In other words, how do you know 15 16 whether there was compression or some pressure
- or something inside, such as from an 17
- intubation tube? 18
- 19 A. Hemorrhage alone just tells us it's a 20 damage of the small vessels in the adjacent

area. That's why you have a hemorrhage.

- 21
- 22 Hemorrhage is not supposed on site of the
- 23 novel tissue. Shouldn't have blood supply
- 24 maintained within the blood pressure. If, for
- 25 one reason or another, blood vessel gets

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1 Dr. Hua 2 damaged, that's why you see the bleeding, 3 that's what normal people can associate with. 4 In the context of this case, Roberto 5 has extensive amount of petechiae, as well as blotches of hemorrhages, which were most 6 7 consistent with neck compression, the same as 8 anything else. Certainly not due to 9 hypertension. 10 Q. In the absence of the petechiae, from 11 the hemorrhages alone, would it be possible to tell whether it was an internal force, such as 12 13 am intubation tube, or a neck compression? A. If you are looking at the evidence, 14 the isolation in a vacuum, it's a reasonable 15 16 statement, except for the extent, the degree 17 of hemorrhage in this case, with the understanding this recitation was by hospital 18 19 staff. I presume they are not pure armatures. 20 They should know what they are doing. 21 Q. Is it your understanding that the CPR 22 was only performed by hospital staff? 23 A. No. CPR was initially performed in 24 the jail. Subsequently, EMS takes over, 25 followed by hospital resuscitation. FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

78 1 Dr. Hua 2 If you turn to the CPR that was 3 performed by individuals who were not hospital 4 staff, would that change your opinion in this 5 case? A. In the context of this case, autopsy 6 7 finding, the answer is no. 8 O. If you learned that the CPR was 9 performed by correction officers, would that 10 change your opinions in this case? 11 A. In the context of this case with 12 extensive mild petechial hemorrhage, to that 13 degrees. It's not what you have, it's to what degree you have, how much you actually have. 14 You have the front of the neck, back of the 15 16 neck, right side neck, left side neck, 17 superficially of the neck, all the way to the deep neck muscle right next to your neck 18 19 backbone area. That would be inconsistent, or another way to put it, highly unlikely, 20 21 extremely unlikely, due to resuscitation 22 alone. 23 Q. The hemorrhages to the neck, I think 24 you have answered this question and I 25 apologize for it if I am asking you to cover

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1 Dr. Hua 2 old ground. 3 If I understand you correctly, you 4 are saying that the reason you concluded that 5 Mr. Grant suffered from neck compression is the extent of the hemorrhages in the neck 6 7 area, accompanied by the petechiae and other 8 hemorrhages; correct? A. Significant neck muscle, neck soft-9 10 tissue injury; significant petechiae in the eyes. Again, the bottom line, it's in the 11 12 context of this case. When I say the context 13 of this case, certainly include there is no evidence of acute intoxication. There is no 14 evidence of fatal, significant, natural 15 16 diseases; therefore, what Roberto died of? 17 Autopsy is always examining the whole 18 body at the end of the day. Put all the 19 evidence on the table, what did he die of? What he died of? That's my question. 20 21 my answer. 22 Q. What I am trying to understand is with the neck hemorrhages, I think -- well, I 23 24 think I understand what you're saying, but I 25 just want to make one thing clear. FREE STATE REPORTING, INC. Court Reporting Transcription

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1	Dr. Hua
2	So with the hemorrhages in the neck,
3	standing alone it's not possible to say
4	whether it was an internal force from an
5	intubation tube or an external force; correct?
6	In other words, there is nothing in the nature
7	please let me finish there is nothing in
8	the nature of the hemorrhages itself, standing
9	alone, that would allow you to conclude it was
10	external compression; correct?
11	MR. LAUFER: Objection.
12	You can answer.
13	A. No. No. Hemorrhage alone could, due
14	to intubation, could, due to resuscitation.
15	In this case it's the amount of hemorrhage in
16	the neck, in different portions of the neck,
17	front and back, superficial deep right and
18	left, as well as significant abundant, with
19	the term Dr. Hammers used, over 50 and stop
20	counting would be typical of what use, plus
21	there is no other competing cause of death in
22	this case.
23	There is no active intoxication.
24	There is a question whether he was intoxicated
25	or not, but at the end of the day if you do
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1	Dr. Hua
2	not find something, it means you do not find
3	something. You can suspect all day long, as
4	actually was suggested in my report suggesting
5	the same tissue should be retested, it's at
6	paragraph number 12. It should be at least
7	retested as it advances and more stuff can be
8	picked up.
9	Why retest in this case? The third
10	test of Fentanyl was obvious that it occurred
11	after the completion of Dr. Hammers' report.
12	Dr. Hammers' report was finished on December
13	28th and that particular Fentanyl test, the
14	third OCM the second OCM toxicology test
15	was tested six or seven months later, after
16	the completion of the report. In a way, sir,
17	I am looking for an addendum of this report.
18	Additional tests were performed, but not
19	really included or incorporated into her
20	report.
21	Q. What test do you think should have
22	been incorporated into her report?
23	A. The second toxicology report looking
24	for Fentanyl, which was performed and report
25	was finished on September 13th, 2017. Dr.
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Т	Dr. Hua
2	Hammers' report was completed on, after
3	sign-off, December 28th. That's roughly like
4	nine months later. There was additional
5	report requested, but not really incorporated
6	into Dr. Hammers' report.
7	I mean, I certainly expect addendum,
8	supplement report, to reflect the extensive
9	exhaustion of testing and nothing being found.
10	Q. There is still one thing I am trying
11	to understand; I am trying to ask it in a very
12	straight forward way and move on, but I think
13	I may not be asking the question clearly.
14	Let's do it this way: What I am
15	trying to understand is, not this case, just
16	under normal circumstances in an autopsy,
17	setting aside the context of this case,
18	setting aside the particulars of this case, my
19	question is this: From a neck hemorrhage
20	alone, is it possible to tell always whether
21	it's external force from a compression or
22	internal force from an intubation or do you
23	need additional information to make that
24	determination?
25	A. You always, first, the simple answer,
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1	Dr. Hua
2	you always need additional information. When
3	you say "neck injury alone," a little bit neck
4	injury would be certainly fully expected in
5	the normal course of CPR. If it's significant
6	at a different point of the neck from the
7	back, superficial or deep, would make a it
8	unlikely. In the context, autopsy is looking
9	at autopsy toxicology injury, everything
10	together. Put all of the pieces together to
11	get what actually happened.
12	No one tried to intentionally
13	isolate, hide it in a vacuum looking at the
14	limited amount of what is supposed to be.
15	That's misleading.
16	Q. I don't think you understand my
17	question. I am trying to understand the
18	mechanics of what you are explaining.
19	As a mechanical matter, if you see a
20	neck hemorrhage of neck tissue, I am trying to
21	understand whether from that alone you can
22	tell whether there was external force or
23	internal pressure or do you need to look to
24	something else to determine the cause of that
25	hemorrhage?
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84 1 Dr. Hua 2 Always look at other information. 3 Neck injury alone makes it impossible. 4 Significant neck hemorrhages make it unlikely, 5 not probable. If there are other findings, lack of other competing causes of death or 6 7 further strengths is building up the case. 8 Q. Do you know whether CPR was done 9 properly or improperly in this case? 10 A. I would not be in a position to 11 judge. I was not there. Q. Could improperly performed CPR cause 12 13 the type of neck hemorrhages we see in this case? 14 15 A. Not to that degree. Not in the 16 context of this case. It's always look in the 17 context of the totality of this case -- what 18 you have, what you do not have. People can 19 intentionally mislead. To look at this alone, that's not the way I deal with things. That's 20 21 not the way most forensic pathologists are 22 supposed to deal with things. 23 Q. If CPR were improperly performed here 24 by amateurs, could it have caused the 25 hemorrhages in the neck as described?

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Т	DI. Hua
2	A. It can cause hemorrhage to a certain
3	degree, but not to the significant degree as
4	in this case, especially in the context of
5	this case, significant petechial hemorrhage
6	would be unlikely to have a proper explanation
7	of CPR and CPR alone. And another layer
8	question, why he needed CPR to start with?
9	There are some people sitting here, I
10	do not see CPR, unless you have a catastrophic
11	situation going on do you need CPR is there
12	any intoxication? Not in this case. Is there
13	any fatal, immediate fatal natural diseases?
14	Not according to Dr. Hammers' report.
15	You have to have a reason to need CPR
16	to start with. There you have a secondary
17	complication side effect of CPR-related
18	injury. Why he needs CPR?
19	Q. You mentioned you need to look at the
20	context to determine a cause of death; what do
21	you mean by "context"?
22	A. Seeing laceration, witness statement,
23	gross autopsy, microscopic examination,
24	toxicology, x-ray examinations, see whether
25	there is a fit or unfit. At the end of the
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1	Dr. Hua
2	day, my job is simple, just whatever is on the
3	table, did he die of this or die with this?
4	Q. Look at paragraph 8 of your report.
5	Looking at the last sentence, you refer to
6	"neck compression marks, manifested as
7	soft-tissue hemorrhages were on the surfaces
8	of the bilateral hyoid bone."
9	Did you draw that conclusion from
10	something in Dr. Hammers' report or from the
11	photograph?
12	A. I think from Dr. Hammers' report,
13	that's my recollection. I mean, can be due to
14	the provided autopsy pictures as well. I am
15	pretty sure if he incurred what I would
16	expect, to take a picture of the hyoid bone as
17	well.
18	Q. Looking at Page 5 of the autopsy
19	report, about three-quarters the way down it
20	says: "There is discrete 1/8 inch hemorrhage
21	over in the posterior oropharynx adjacent to
22	the cornua of the hyoid bone bilaterally. The
23	hyoid bone is reviewed without anthropology at
24	autopsy and is without trauma"?
25	A. I do not see which paragraph.
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87 1 Dr. Hua 2 The hyoid bone itself said no 3 fracture, which was subsequently evaluated by 4 anthropologist. I do not have the report. I 5 presume it's a very small consultation. Yes, it says: Discrete 1/8 inch 6 7 hemorrhage over the" -- yes, okay -- of the 8 cornua, which is side of the hyoid bone 9 biologically. 10 Q. My question is: Your report says there are some same-neck compression marks 11 12 were on the surfaces of the bilateral hyoid 13 bone, but Dr. Hammers says that the hyoid bone was without trauma. 14 Are those inconsistent? 15 16 A. Okay. Okay. "Cornua," it's a Latin term for 17 "corner." Corner of the hyoid bone 18 19 biologically. That's a hemorrhage of this 20 area. It is the hyoid bone itself, so no 21 fracture. On the corner of the hyoid bone is 22 a soft-tissue hemorrhage which did not cause 23 the actual fracture of the hyoid bone. 24 There's soft tissue on the surface as compared

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to the bone fracture itself. The first answer

1 Dr. Hua 2 is "yes"; the second cause of fracture is "no." 3 4 That's why I think I started with 5 there was no neck bone fracture there. That's what I indicated. 6 7 Q. I just want to understand, make sure I understand your statement there. 8 9 Go ahead, Dr. Hua. 10 A. I think the last sentence, "Same neck compression lock (manifested by soft-tissue 11 12 hemorrhage which on the corner of the hyoid 13 bone or on the surface") -- again, "on the surface of the bone," but not in the bone 14 itself. 15 16 Q. What I am trying to understand is in 17 your report are you're describing hemorrhages 18 to the tissue that's next to the hyoid bone or 19 are you describing --A. Soft tissue. Soft tissue as 20 21 indicated exactly one line up, "manifested as 22 soft-tissue hemorrhage." It's soft-tissue 23 hemorrhage, whether it was pure soft-tissue 24 hemorrhage. 25 Q. Let me ask the question entirely if FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

89 1 Dr. Hua 2 you don't mind? 3 A. Go ahead. 4 Q. What I am trying to understand is in 5 that sentence we have been discussing in your report, are you describing hemorrhages to the 6 7 soft tissue that is next to the hyoid bone or are you describing some damage to the hyoid 8 bone itself? 9 10 A. (Manifested as soft tissue). Hyoid bone is a bone, not soft tissue. That will be 11 self-evident in terms of the answer to your 12 13 question. 14 Q. Let me ask this: Were there any 15 compression marks on the hyoid bone itself? 16 A. Soft tissue immediately at both sides 17 of the corner side of the hyoid bone has compression marks, but there is a bone itself 18 19 that says no fracture, whether because of 20 young age to not cause fracture or other 21 reasons not strong enough to cause fracture, 22 that's debatable. The bottom line says no 23 bone fracture, but there was soft tissue on

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pressure here.

the surface of the Hyoid bone because there is

24

1 Dr. Hua 2 MS. SIMON: Monique, could you read 3 my question back? 4 (Last question read by the Reporter.) 5 A. Yes, soft-tissue hemorrhage on the surface of the hyoid bone. 6 7 Q. That's not what I am asking. I am 8 asking you whether there were compression 9 marks on the hyoid bone itself? It's a "yes" 10 or "no" question. 11 A. I might not be able to say either way 12 because either the answer -- with a hyoid-bone 13 fracture you can see the fracture. If the hyoid bone is not fractured, all I can say is 14 15 not enough pressure to cause the fracture. We 16 do not know. This is obviously force was 17 directed on the soft tissue of the hyoid bone but not on the bone itself. 18 19 O. I understand that there was no 20 fracture of the hyoid bone, but you used this 21 term "compression marks," and I would just 22 like to understand separate from the --23 A. Compression on the soft tissue 24 adjacent to the hyoid bone, but not cause the 25 fracture of the bone. FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902 Balt. & Annap. 410-974-0947

1	Dr. Hua
2	Q. Please let me finish my question.
3	I understand that there is no
4	fracture on the hyoid bone. I understand that
5	there is compression, as you have stated, to
6	the soft tissue next to the hyoid bone. My
7	question is: Are there compression marks
8	specifically on the hyoid bone itself?
9	A. Impossible to answer. It's the
10	pressure to reach the damage to the soft
11	tissue on the surface of hyoid bone, but did
12	not cause a fracture of the bone itself. I
13	cannot rule it in, neither can I rule it out,
14	the compression marks on the hyoid bone.
15	Q. I just want to understand. You can
16	neither rule in nor rule out compression marks
17	on the hyoid bone?
18	A. Compression mark on hyoid bone to
19	cause a fracture, it did not happen.
20	MR. LAUFER: You get what he is
21	saying, counsel, right? It's compression on
22	the soft tissue that's covering the hyoid
23	bone.
24	THE WITNESS: Yes.
25	Q. The soft tissue that's adjacent to
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92 1 Dr. Hua 2 the hyoid bone, is it attached to the hyoid 3 bone or is it separate? 4 A. Yes, attached to the hyoid bone. Q. And does that particular soft tissue 5 that you're talking about in disseminating 6 7 your report, that's next to the hyoid bone, 8 does it have a particular name? A. No. It's soft tissue at the corner 9 10 of the hyoid bone. 11 O. Okav. 12 In your review of the photographs and 13 in your review of the report, did you see any indication that the hyoid bone itself, not the 14 soft tissue but that the hyoid bone itself was 15 16 damaged? 17 A. No. No, in terms of no fracture. 18 Q. Was there any other evidence of 19 damage beyond a fracture? 20 A. No. No visible damage to the bone 21 itself. 22 Q. Looking at number 13, you say, "In 23 the Absence of Grant's fatal and acute intoxication or fatal natural disease, 24 25 Roberto's cause of death should be listed as FREE STATE REPORTING, INC.

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93 Dr. Hua 1 2 inflicted and/or homicidal neck compression." 3 Do you see that sentence? 4 A. Yes. 5 Q. When you say "inflicted neck compression," what are you referring to? 6 7 A. Not by himself. 8 Q. When you say "homicidal neck 9 compression" what are you referring to? 10 A. For medical examiner "homicidal" 11 means due to the action of someone else, not 12 self, which is entirely different from the 13 legal meaning of homicidal. O. Understood. 14 15 When you're using the words 16 "inflicted" and/or "homicidal," does 17 "inflicted" mean something different than "homicidal"? 18 19 A. No, the same. For me, it's the same. It means not self-inflicted. 20 21 O. Understood. 22 When you say "neck compression," are you referring to strangulation or something 23 24 else? 25 A. I mean, there is different location FREE STATE REPORTING, INC. Court Reporting Transcription

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94 1 Dr. Hua 2 of the neck, front, back, right, left, 3 superficial, deep to soft-tissue hemorrhage, 4 its indication to me is the blood-vessel 5 damage in conjunction with the actual other 6 finding, petechial hemorrhage to a significant 7 degree, abundant, according to Dr. Hammers 8 more than 50, as my lazy counting, would be 9 inflicted injury. 10 MS. SIMON: Monique, could you just 11 read my question back. 12 (Last question read by the Reporter.) 13 Q. I am trying to understand, when you say "neck compression," are you referring to 14 strangulation? 15 16 A. No, that's why I said neck 17 compression. "Strangulation," there are two kinds of strangulation, either manual 18 19 strangulation, humanly or ligature 20 strangulation. Do I have enough for me to conclude? 21 22 No. All I can say is multiple neck muscle injury, front, back, right, left, superficial, 23 24 deep, indications that damage of the neck

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muscles at various areas in conjunction with

Dr. Hua 1 2 the significant amount, not just purely I see 3 a couple of petechial. It's the word of "abundant" as used by Dr. Hammers and my lazy 4 5 counting of more than 50 in the context of this case and the absence of intoxication, in 6 7 the absence of fatal significant natural 8 diseases. Therefore, I concluded it's due to 9 inflicted injury or homicidal injury. 10 Personally I use these two word interchangeably. 11 12 Q. I am asking now whether when you say 13 "neck compression" you are referring to strangulation, whether manual, ligature or 14 something else? 15 16 A. I do not use a single word of 17 strangulation in my two-page report. The evidence I have is neck compression. I do not 18 19 have additional evidence to specify further. Q. Other than strangulation, what could 20 neck compression indicate? 21 22 A. It's neck compression. It means 23 soft-tissue damage in the different portions of the neck. I never used the word 24 25 "strangulation." You repeatedly used the word FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

96 1 Dr. Hua 2 "strangulation" that I intentionally did not 3 use. 4 Q. I understand that. 5 What I am trying to understand is what you mean by "neck compression"? 6 7 A. Then don't put the words in my mouth. 8 Q. My question is: When you say "neck 9 compression," is strangulation one type of 10 neck compression? 11 A. Strangulation is one type of neck 12 compression. If you have proper investigated, 13 proper investigation, detailed investigation, you can be more specified. Here I do not have 14 15 it. 16 Q. Other than strangulation, what other 17 types of injuries, what other incidences are covered in the term "neck compression"? 18 A. "Neck compression" means neck has 19 blood-vessel damage in different areas, 20 21 multiple areas in conjunction with petechial 22 finding, significantly amount. I did not use 23 the word "strangulation" for a simple reason, 24 I am hoping more investigation could be conducted -- or at least I do not have it for 25

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1 Dr. Hua 2 me to review. Q. So I am clear, you don't know whether 3 4 manual or ligature strangulation occurred 5 here? A. I did not use either word here, 6 7 manual strangulation or ligature strangulation 8 in my report. I just hope someone can answer 9 the question why he had extensive neck injury 10 at different portions of the neck in 11 association with significant amount of 12 petechiae and patches of hemorrhage. 13 Q. I am asking a "yes" or "no" question. My question is: You don't know whether manual 14 15 or ligature strangulation happened here; 16 correct? 17 A. I did not see evidence of ligature mark in this case. That would be a 18 19 superficial answer or I do not have evidence of ligature strangulation, that's obvious, but 20 what actually happens, I do not have enough 21 22 evidence for me to conclude judicially, cautiously. 23 24 Q. Do you know whether manual 25 strangulation happened here? FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

98 Dr. Hua

2 A. I do not have enough evidence for me

3 to conclude that. There is neck compression.

4 Some people would choose using a word called

5 mechanical asphyxia, which would be equivalent

6 to neck compression. More investigation is

7 needed, that's all I am saying.

8 Q. Were there any external injuries to

9 Mr. Grant's neck?

1

10 A. I am sorry, can you repeat?

11 Q. Were there any external injuries to

12 Mr. Grant's neck?

13 A. I do not think so. I mean, he is

dark skinned, yes, but nobody noticed

15 anything. Not found on picture, not according

16 to Dr. Hammers. She has the advantage of

17 directly looking at the body.

18 Q. If someone dies of neck compression,

19 how does that occur?

20 A. First, being added on caused the

21 muscle damage, soft-tissue damage, caused the

22 breakage of the vessel. Therefore, we have

the bleeding. Here we have extensive bleeding

24 associated with extensive petechiae, as well as

25 patches of hemorrhage.

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1 Dr. Hua 2 Q. If sufficient force is applied to the 3 neck to cause an individual's death, does that 4 death happen immediately or could it happen 5 sometime later? A. It could happen immediately, just 6 7 like it could happen at some time delay. 8 O. What would cause a delay in that death? 9 10 A. It's the asphyxia causing the loss of blood supply or oxygen supply to the brain. 11 That's where brain becomes swelling, that's 12 13 why people die. Q. If sufficient force is applied to 14 someone's neck to cause their death but it 15 16 doesn't cause an immediate death, walk me 17 through how that death would occur? A. Force on the neck can, if you limit 18 19 amount of force compressing your vein, 20 significant blunt force can compress your 21 artery, more forces can compress your airways, 22 the end result is hypoxia, lack of oxygen and 23 lack of blood supply to your brain --24 therefore you people die. I mean like people 25 drowning, people committing suicide, it's the FREE STATE REPORTING, INC. Court Reporting Transcription

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1	Dr. Hua
2	lack of blood supply to your brain.
3	The human body was built in such a
4	way, if you compress a short second, you lose
5	consciousness. You compress not enough, more
6	than 4 to 6 minutes, you're going to die on
7	that, die on you because your brain has lack
8	of oxygen. Brain has ultimate control of
9	everything downstairs, your heart, your
10	breathing.
11	Q. Once there is a lack of oxygen to the
12	brain, the individual will die immediately;
13	correct?
14	A. I mean, it really depends on how you
15	mean by "immediately." People with lack of
16	oxygen
17	Q. I understand. Fair enough.
18	You said a short compression can lead
19	to unconsciousness and after about 4 to 6
20	minutes, a person would die; correct?
21	A. If for a healthy person, the normal
22	number is somewhere around five minutes;
23	people would have irreversible brain damage if
24	you use the nowadays definition of the death,
25	as defined by a human being, by a brain, then
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1	Dr. Hua
2	you are dead. You become organ donor.
3	Q. If sufficient force is applied to
4	someone's neck to cause their death, are there
5	circumstances where were there to be a delay
6	between the time in which the neck compression
7	was applied and the time they died?
8	A. I would not be knowing. It depends
9	on reliability of the witness statement, if
10	you had witness. If you do not have a
11	witness, you are not in that position to
12	argue.
13	Q. I have questions about this
14	particular case in a moment, but right now I
15	am actually just trying to understand from you
16	what it means to die of neck compression. How
17	that actually happens.
18	I understand what you're saying is if
19	sufficient force is applied, first the person
20	will go unconscious; then the person will die
21	four to six minutes later under normal
22	circumstances; correct.
23	A. It's the compression to what degree,
24	to what duration, that makes a difference. I
25	mean, gentle compressed neck, I am not going
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1 Dr. Hua 2 to die, obviously not, because it's we're not 3 even causing neck soft-tissue damage. 4 Q. My question is: Let's assume, as I 5 said, sufficient force is applied to the neck to cause death; okay? 6 7 A. Sufficient force. O. Let me ask it this way: If someone's 8 9 neck is compressed but it does not cause 10 death, let's say it causes even unconsciousness, but it does not cause death 11 12 and the person then has lucid intervals and is 13 walking and talking and moving around, is it possible that the earlier neck compression 14 15 could subsequently cause death or is that not 16 something that would happen? 17 A. I mean, the answer is no specific answer. That's just a simple answer like 18 19 this. Because what you define as neck 20 compression significant amount, obviously the 21 important word was "compressed the side neck" 22 was significant, because that's where the 23 major blood vessel; is. 24 Compression the back and neck, it's 25 less relevant. It really depends where the FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902 Balt. & Annap. 410-974-0947

1	Dr. Hua
2	compression or significant force was applied
3	at for how long. Each individual person will
4	be different. If it's a perfect 18 years old,
5	healthy guy, as compared to someone who has
6	mild hypertension, it's all different. I
7	mean, I do not want to make it complicated,
8	but it is.
9	Q. What I am trying to understand is if
10	sufficient force is applied to the neck for
11	the individual to become unconscious, let's
12	say, but they regain consciousness, have a
13	lucid interval where they are talking and
14	walking, are there circumstances under which
15	the individual could later die of the neck
16	compression or at that point have they
17	survived that event?
18	A. If you're dealing with a perfect tip-
19	top shaped body, no other preexisting
20	conditions, most likely the answer would be
21	unlikely to be fatal and unlikely to result in
22	death.
23	If someone has a preexisting
24	condition, you're looking at an entirely
25	different chapter of the book, but as a
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1	Dr. Hua
2	forensic pathologist, we're dealing with
3	injury and disease or a combination of both.
4	As I indicated early, natural
5	diseases are exclusively natural, a
6	combination of both. You die of non-natural
7	diseases.
8	Q. I want to make sure that I
9	understand so under the hypothetical I
10	described, where an individual is suffering
11	neck compression but does not die at that
12	time, you're saying it's possible that they
13	might later die after a lucid interval if they
14	have certain preexisting conditions?
15	A. That's not what I said. I said even
16	if you were in tip-top condition, no
17	preexisting condition, when I say natural
18	diseases, intoxication, among others, the
19	chance of death, it's unlikely.
20	If someone has a preexisting
21	condition, like a little bit hypertension here
22	or there, which is a much more viable
23	candidate to die, it's an entirely different
24	thing.
25	Q. So, in your view, it's possible that
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1	Dr. Hua
2	someone could suffer non-fatal neck
3	compression, have a lucid interval, and then
4	subsequently die as a result of the neck
5	compression if they have certain preexisting
6	conditions.
7	MR. LAUFER: Objection. You can
8	answer.
9	A. You specifically mentioned there were
10	lucid intervals. I mean, lucid intervals can
11	only be documented by a substantial reliable
12	witness. I mean, a reliable witness and
13	that's the first hurdle you have to go
14	through.
15	Obviously, here, the witness,
16	reliable, quote/unquote "reliable witness"
17	indicates there's no fact. Second, reliable
18	witness indicated smoking something. We did
19	not find evidence of smoking; we did find
20	evidence of trauma. Therefore, it is actually
21	reliable; to a reasonable degree, probably
22	it's debatable.
23	Q. I really would like to just focus on
24	the questions I am asking. I am not trying to
25	understand your opinions on how someone can
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1	Dr. Hua
2	die of neck compression, the circumstances
3	under which that can happen. Not specific to
4	this case, not specific to the events at issue
5	here, but just under ordinary circumstances
6	your knowledge about how death from neck
7	compression can occur. In particular, I would
8	like to understand whether an individual who
9	suffers neck compression will die at the time
10	of that neck compression or whether the neck
11	compression can happen and then some period of
12	time in between and then later that person
13	dies?
14	So, again, let me try and ask the
15	question in a different way: If someone
16	suffers from neck compression but does not
17	immediately die of that neck compression, and,
18	in fact, has an interval where they are
19	walking and talking, under what circumstances
20	could the individual nonetheless die later and
21	you would attribute that to the neck
22	compression; what circumstances?
23	MR. LAUFER: Objection.
24	You can answer.
25	A. It depends on a proper autopsy.
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1	Dr. Hua
2	Proper classification is to die of something
3	or die with something, which can apply to
4	either neck compression or previously heart
5	disease.
6	There is no such thing as one size
7	fits all. Only a non-professional will look
8	for a simple answer like this. That's why you
9	need an autopsy, to look at an actual case. A
10	theoretical case, you have a theoretical case
11	and no answer.
12	Q. I am trying to understand your view
13	on this particular issue, and if it's not a
14	simple answer, then please, walk me through
15	all the details, but what I would I like
16	A. As I indicated, a theoretical
17	scenario has a theoretical meaningless answer.
18	We have the case. We have the neck injury,
19	significant amount. We have the petechiae,
20	significant amount. We have the documentation
21	of no acute intoxication, no fatal natural
22	diseases. Yes, he has a disease, he is more
23	prone to die, yes, there's no question about
24	that, but he did not have a fatal disease and
25	die at age of 30-plus by himself.
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I

1	Dr. Hua
2	Q. Again, I understand your views on the
3	utility of my questions, but I would again
4	just ask that you answer my questions. My
5	questions right now are not about this
6	particular case, my questions are about
7	individuals who suffer neck compressions
8	generally.
9	My question for you is: You seem to
10	be stating that there are circumstance under
11	which an individual can suffer neck
12	compression and then have a period of time
13	where they are lucid, walking around and
14	talking and then subsequently suffer death. I
15	would like you to explain the circumstances
16	under which that can happen?
17	A. A hypothetical theoretical case does
18	not have a hypothetical reliable answer.
19	That's not something, as a practitioner of
20	forensic pathology, I would do. I look at the
21	individual case, the actual facts of the case
22	to decide.
23	Q. That doesn't answer my question
24	though.
25	A. I answered your question repeatedly
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1	Dr. Hua
2	already.
3	MS. SIMON: Can we go off the record
4	for a second.
5	(Discussion held off the record.)
6	MS. SIMON: Let's go back on the
7	record.
8	BY MS. SIMON:
9	Q. If a healthy adult suffers neck
10	compression that is sufficient to cause death,
11	are there any circumstances under which that
12	death would not happen at the time of the neck
13	compression but rather some point later after
14	a lucid interval where the individual is
15	walking and talking.
16	A. There is no specific answer. It
17	really depends on how healthy the healthy was.
18	If someone is perfectly healthy, like I
19	indicated before, 18 years old, no other
20	diseases, no documented diseases confronts
21	subsequently by autopsy examination or
22	doctor's examination, then the chance of die
23	suddenly off a lucid interval, it's extremely
24	unlikely.
25	If someone has preexisting disease of
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1	Dr. Hua
2	any sort, if subsequently confirmed by autopsy
3	or by his or her physicians, you are dealing
4	with a different outcome. The bottom line is
5	we are dealing with a combination of factors,
6	injury as well as natural diseases. That's
7	what we're dealing with every day. The
8	question is, did he die of the neck trauma or
9	die with the neck trauma or die of heart
10	disease versus die with heart disease
11	that's a tough condition. We try to get as
12	much information possible to get that
13	conclusion.
14	That's why I suggested if toxicology
15	is really your concern, do more toxicology. I
16	mean, if heart disease is your concern,
17	instead of sending the one section of heart,
18	submit more sections of the heart. I mean
19	things can be done, but the thing is we are
20	dealing with this autopsy report; that's all
21	we have.
22	Q. Okay. I think I understand your
23	answer.
24	What I would like to know now is if
25	the scenario I described is unlikely in a
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1	Dr. Hua
2	healthy adult but could happen in an
3	individual with a preexisting disease, as you
4	say, what preexisting diseases are you talking
5	about?
6	A. A preexisting heart disease,
7	preexisting seizure disorder, preexisting lung
8	disease would put you in a much tougher
9	position, vulnerable position, as compared to
10	having a preexisting amputated leg, that has
11	nothing to do with that. It really depends on
12	what the specific condition is you're dealing
13	with.
14	If someone has diabetes, has a
15	stress, him or her are in big trouble. If
16	someone has a preexisting congenital heart
17	disease, arrhythmia of any sort, a stress
18	activity will put you in a much vulnerable
19	position. It's really dependent on individual
20	cases.
21	Specifically you're dealing with
22	diseases, dealing with brain, heart and lung.
23	I could care less if you have amputated leg
24	because it's not particularly relevant. If
25	you have diabetes, yes; seizure disorder, yes;
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1	Dr. Hua
2	asthma, have preexisting asthma and lung
3	diseases, you are much more vulnerable. If
4	you are preexisting cardiac arrhythmia, you're
5	much, much more vulnerable condition, but you
6	are picking off whichever part you are
7	picking.
8	It's a stressful compression on the
9	neck. It's whatever you're picking. Without
10	compressed neck you are not going to die if
11	you're defining perfectly healthy people.
12	With a preexisting disease they're in a much
13	more vulnerable position.
14	Q. I just wanted to make sure I
15	understand a piece of what you are saying.
16	You are suggesting that under normal
17	circumstances with a healthy individual, if
18	sufficient force is applied to the neck to
19	cause death, death would ordinarily occur
20	right then. In other words, it would be
21	unlikely, to use your words, that there would
22	be an interval between his death and a lucid
23	interval in between the compression and death
24	But I think if I understand what you
25	are saying, it's that if you have a
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1	Dr. Hua
2	preexisting disease, one of the ones you have
3	identified is a heart disease, under those
4	circumstances, you are suggesting it could
5	happen there would be this lucid interval,
6	somebody's walking and talking between the
7	neck compression and their death; did I
8	understand that correctly?
9	MR. LAUFER: Objection. You can
10	answer.
11	A. That's not what I said.
12	I said if you had a preexisting
13	disease, specifically dealing with heart,
14	brain, lung, that will put you in a vulnerabl
15	position. When you say "heart," you can have
16	previous heart attack; if you have previous
17	hypertension, severe hypertension, severe
18	coronary artery disease, a congenital
19	arrhythmia to start with.
20	Q. I understand that. I am trying to
21	focus on a particular aspect of what you are
22	saying when you mentioned heart disease. I
23	want to make sure I understand you.
24	Clearly, you are saying that they're
25	vulnerable. I am trying to understand what
	FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902 Balt & Appar 410-974-0947

1	Dr. Hua
2	you mean; what are they vulnerable to?
3	A. Vulnerable in terms of their
4	unhealthy heart, lung or brain, as compared to
5	the irrelevant as a foot amputation due to
6	trauma, which would be irrelevant, but it's
7	not healthy either. If you have foot
8	amputation due to trauma you are not healthy
9	either, but it's irrelevant.
10	Q. What I am trying to understand, Dr.
11	Hua, and I realize you don't I'm trying to
12	be very careful in how I paraphrase what you
13	are saying, but it seems I am not quite
14	understanding what you are saying still.
15	I am still trying to work out the
16	circumstances under which an individual could
17	suffer neck compression sufficient to cause
18	death but not right away. It seems you have
19	listed several circumstances that would make
20	someone more vulnerable to that situation; is
21	that correct?
22	A. I have listed specifically brain,
23	heart, lung condition as compared to your
24	previous traumatic amputation of the leg,
25	which is not relevant.
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1	Dr. Hua
2	Q. Setting all of those conditions
3	aside, with the exception of heart disease, I
4	would like to focus your attention on the
5	heart disease example you gave.
6	A. If you're suggesting lung disease is
7	irrelevant, that's your argument.
8	Q. Just set it aside for the moment.
9	That's not what my question is about. Just
10	focus on my question.
11	My question is with respect to heart
12	disease, how could heart disease impact the
13	timing of whether someone died immediately
14	from neck compression or instead had a lucid
15	interval walking and talking and then
16	subsequently died?
17	A. A heart needs beating, needs oxygen
18	just like a brain; it needs constant supply of
19	oxygen. If being strangulated, your brain
20	suffers an episode of lack of oxygen,
21	therefore, that makes you more loopy
22	somewhat conscious, but not in perfectly
23	tip-top condition because of lack of oxygen to
24	your brain, which makes you more vulnerable to
25	have because your brain eventually has
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1	Dr. Hua
2	control over your heart, just like people with
3	seizure disorder, as brain-disease people die
4	of heart disease eventually.
5	Therefore, damage to the brain due to
6	asphyxia, due to mechanical asphyxia, due to
7	neck compression puts you in another category
8	of vulnerable. If you have a previous
9	vulnerability, one plus one will certainly be
10	more detrimental to your health.
11	Q. Again, still looking only at the
12	heart disease example that you mentioned.
13	A. Is this a question?
14	Q. Just a moment. I am trying to phrase
15	them very carefully so we can try to make some
16	progress.
17	Again, looking only at a heart
18	condition example that you have mentioned, the
19	heart disease example; are you saying that
20	someone who suffers neck compression and
21	suffers from heart disease is more likely to
22	die from that next compression or are you
23	saying that the individual scratch that.
24	MR. LAUFER: Maybe "vulnerable,"
25	maybe you want to use that word.
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1	Dr. Hua
2	Q. Dr. Hua, speaking still about the
3	heart-disease example you just mentioned, I
4	believe you mentioned that that would make an
5	individual more vulnerable under the
6	circumstances we are describing.
7	What I would like to understand is
8	the following: Why, if this is what you're
9	saying, why would the existence of heart
10	disease make it more likely that someone would
11	suffer neck compression and have a lucid
12	interval and then die, as compared to a
13	healthy individual?
14	A. Healthy individual with neck
15	compression or without neck compression?
16	Q. I believe you said in the case of a
17	healthy individual it's unlikely that that
18	individual would suffer neck compression, have
19	a lucid interval
20	A. No.
21	Q. Dr. Hua, it's a long question, so if
22	you could just wait for me to indicate that I
23	am done, that will be helpful.
24	My understanding from your prior
25	testimony is that in the case of a healthy
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1	Dr. Hua
2	individual, it's unlikely that they would
3	suffer neck compression sufficient to cause
4	death, but have a lucid interval between the
5	actual compression and the death, but you
6	indicated, if I understand you correctly, that
7	certain diseases might make someone more
8	vulnerable to that scenario. In other words,
9	more vulnerable to the scenario where they
10	suffer neck compression sufficient to cause
11	death but do have a lucid interval and then
12	subsequently die and I would like to
13	understand why. That's the question.
14	A. I counted about six different
15	questions.
16	As I indicated before, it doesn't
17	matter how healthy you are, everyone can
18	suffer severe neck injury. The result depends
19	on what's the duration of the neck injury. If
20	the duration is short enough, it's not going
21	to be fatal.
22	If you have preexisting diseases to
23	make you more vulnerable, it's mainly because
24	neck compression causes a lack of oxygen.
25	Your heart is eventually under the control of
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1	Dr. Hua
2	your brain. If brain, lack of oxygen really
3	has a deficiency in terms of control of the
4	proper function of your heart, then you're in
5	a much vulnerable position.
6	Therefore, I listed three different
7	categories of diseases we pay particular
8	attention to: One is preexisting brain
9	disease; second is preexisting heart disease;
10	third is preexisting lung diseases, because
11	lung diseases can cause you compromised oxygen
12	intake as compared to a traumatic leg trauma
13	which is irrelevant.
14	Q. I don't think you are answering my
15	question. I'm not asking whether they are
16	more vulnerable to death from neck
17	compression. What I'm asking is: Is it more
18	likely that there would be a situation where
19	they suffer the neck compression sufficient to
20	cause death, but there is a lucid interval
21	before they actually die in someone with heart
22	disease?
23	A. It depends on the duration of the
24	lucid interval. If the lucid interval is
25	within a couple of minutes or a couple of
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1	Dr. Hua
2	seconds, we, as forensic pathologists in
3	general, we attribute the previous neck
4	compression. If the lucid interval will
5	prolong it with a couple of days in between,
6	that will be irrelevant.
7	Therefore, Dr. Hammers in this case
8	did a good thing; microscopically she tried to
9	date an injury or the neck injury turned to be
10	fresh. That's why it's related, as compared
11	to injury from a couple of days ago and it's
12	totally irrelevant.
13	MS. SIMON: Monique, can you please
14	read that back.
15	(Last answer read by the Reporter.)
16	Q. Dr. Hua, I think, again, I am just
17	trying to understand what you're saying. So I
18	think what you're saying is: If an individual
19	has a lucid interval between the neck
20	compression and death, and it's a few seconds
21	or a few minutes, the death would still be
22	attributed to the neck compression, but if the
23	lucid interval is a couple of days, you would
24	not attribute the death to the neck
25	compression; correct?
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1	Dr. Hua
2	A. That's a simple way to say it, yes.
3	Q. Well, is it accurate?
4	A. Yes.
5	Q. My question is: If the lucid
6	interval were a couple of hours, would you
7	attribute that the neck compression would
8	you attribute the death to the neck
9	compression or not?
10	A. Look at individual cases
11	specifically; look at specific evidence
12	specifically. I mean, one thing is having a
13	preexisting condition, how severe the
14	preexisting condition was, that would make a
15	difference. Any other unknown preexisting
16	condition, that will make a difference. I
17	mean, a good autopsy should be able to address
18	those questions.
19	Q. I am trying to be very precise.
20	If the lucid interval is a couple of
21	hours between the neck compression and the
22	death, what would you look for in the body
23	that would allow you to determine that the
24	person died of the neck compression despite
25	the two-hour lucid interval?
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1	Dr. Hua
2	A. I would be the first to tell you,
3	without specific information I am not smart
4	enough or qualified enough to be very
5	reasonable, reliable, where accepted, commonly
6	accepted answer to this question.
7	Q. In the case of Mr. Grant, do you know
8	whether or not he was having a conversation
9	with someone at the time that he collapsed?
10	A. I do not have that information. All
11	the information I have is listed on my
12	paragraph number 2, plus, Dr. Gill's report;
13	that's a year later when I received it.
14	Q. If you learned that Mr. Grant was
15	having a normal conversation in the immediate
16	timeframe before he collapsed, would that
17	affect your opinion in this case?
18	A. I would read the information in its
19	proper context, give a reasonable, reliable
20	well-sorted answer instead of curbside
21	consultation.
22	Q. Is whether or not Mr. Grant was
23	talking and having a normal conversation at
24	the time of his collapse relevant to a
25	determination about the cause of his death?
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1 Dr. Hua 2 If proven to be reliable, yes. Α. 3 It's one piece out of many pieces of 4 puzzles, just like his petechiae, just like his 5 extensive neck injury. It's one piece of evidence. You do not let one piece run over 6 7 the whole case. O. How would it be relevant? 8 9 A. You have to evaluate in the proper 10 context. You have to prove it to be reliable. 11 If the same witness reported he was using 12 drugs but did not really see it, did not 13 identify the drug, it's the same what is reported as no injury, but he obviously had 14 15 injury according to Dr. Hammers' report and 16 her pictures. Then, you know, you have to 17 look at the whole context. Was it reliable and valid? 18 19 It's one piece of evidence, reliable, unreliable, it's a definition. You have to 20 21 look at it in this context before making the 22 conclusion, it fits into the actual autopsy 23 finding or not. 24 Q. If there were -- I am asking a 25 hypothetical question: If there were credible FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1	Dr. Hua
2	testimony that Mr. Grant was having a normal
3	conversation just before his collapse, would
4	that be relevant to your conclusions in this
5	case?
6	A. I will read, review, think through,
7	read into proper context with understanding
8	the same witness probably says he was using
9	drugs and that was unconfirmed as well.
10	Q. That is not my question.
11	I am saying that if a credible
12	witness testified that this individual,
13	Mr. Grant, was having a normal conversation a
14	the time that he collapsed, would that affect
15	your opinions in this case?
16	MR. LAUFER: Objection.
17	A. I would evaluate it. Whether it's
18	credible or entirely incredible. If there's
19	piece of evidence presented to me, I would
20	evaluate it accordingly, but the main reason
21	is to see whether it fits into the autopsy
22	finding or not.
23	Q. If you determined that the testimony
24	was credible, how would you proceed?
25	A. Credible only in terms of consistency
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1	Dr. Hua
2	with the actual autopsy finding. If the
3	witness, same witness thinks he was using
4	drugs, but we cannot fine the drugs, I will
5	suggest go do more testing. If they are
6	reliable, then they're reliable. If they are
7	not reliable, that will be the evidence or the
8	discrepancy.
9	I need to look at the whole evidence
10	in the context of this case to give a well-
11	sorted, reasonable answer instead of a
12	curbside, unsubstantiated, unreliable "yes" or
13	"no" answer.
14	Q. If there were video of Mr. Grant
15	having an ordinary conversation before his
16	death, would it change your finding in this
17	case?
18	A. I will review it first, then decide
19	if it would change my finding or not.
20	MR. LAUFER: Counsel, are you in
21	possession of that video, of that?
22	MS. SIMON: I am asking Dr. Hua a
23	hypothetical.
24	A. I told you, I would review it, decide
25	if it was consistent or inconsistent, relevant
	FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1	Dr. Hua
2	or irrelevant, minimally irrelevant or
3	strictly relevant, we have to look at it in
4	the context instead of a curbside, typically
5	unsubstantiated, unreliable comment. It's
6	pure misleading, unless you want that.
7	Q. I am asking you to do that review
8	now.
9	The additional piece of information
10	that I am asking you to consider in this
11	hypothetical is that Mr. Grant was having an
12	ordinary conversation at the time he
13	collapsed. I am asking you, with that
14	additional piece of information, whether that
15	would affect your opinions in this case?
16	A. I will have to review it first in
17	it's proper context.
18	Q. I am asking you to do that now.
19	Please consider that additional information in
20	this hypothetical question that I am proposing
21	to you.
22	A. I will review the evidence, if that's
23	the evidence that you have. Just like I
24	received 332 pictures; I will be annoyed if
25	someone gives me 50 pictures. I need to
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1 Dr. Hua 2 review the evidence, not your word. I am sure 3 you tried to say as factually true as 4 possible, but as a professional I need to 5 review the actual evidence instead of accept or deny your opinion. Either way, that's 6 7 wrong. 8 Q. I am asking you a hypothetical. I 9 understand it's not present in the record. 10 A. I am not smart enough to answer unsubstantiated hypothetical questions in the 11 context regarding a specific case. I am 12 13 simply not smart enough. Q. Do you think Mr. Grant had a lucid 14 interval before he died or are the types of 15 16 injury such that you expect he died 17 immediately? A. I do not know. I was not given that 18 19 piece of evidence. I want the evidence. I do not want someone's digested opinion. If you 20 21 are suggesting you have a tape, I want to look 22 at the tape in its proper context, make the 23 original objective evidence before making my 24 decision. 25 Q. That's not my question. My question FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902 Balt. & Annap. 410-974-0947

1 Dr. Hua 2 is: Based on the evidence that you have in 3 front of you --4 A. I do not make unscientific, 5 unsupported conclusions under any circumstances. 6 7 Q. Let me ask the whole question, please: My question is based on the evidence 8 9 that you had in front of you, the records that 10 you had in front of you at the time that you wrote your report, did you form an opinion 11 12 about whether Mr. Grant died immediately from 13 the neck compression or whether there was a lucid interval? 14 15 A. My opinion is in Paragraph 13. It's 16 a conditioned opinion in the absence of fatal or acute intoxication, fatal natural diseases, 17 that's a condition, then he died of this. 18 19 I do not address the question of lucid interval or not lucid interval because I 20 21 do not have the actual video tape that you 22 alluded at. I do not have it, so I am not in 23 a position to answer unsubstantiated questions 24 or hypotheses which are meaningless in my 25 view, maybe not in other people's corner. FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902 Balt. & Annap. 410-974-0947

1	Dr. Hua
2	Q. You concluded that Mr. Grant died of
3	neck compression; correct?
4	A. In the absence of acute intoxication,
5	which in my view was not fully ruled on yet.
6	In the absence of fatal natural diseases, in
7	my view, was not fully ruled on yet.
8	I am going give to you one example,
9	people can die of myocarditis. Rule on to
10	myocarditis, at least you send me five
11	sections of the heart. Here we have one. We
12	are not in the position we are dealing what
13	you have.
14	I need to rule on; that's why my
15	conclusion, it's a conditional conclusion. In
16	the absence of that, fatal intoxication or
17	fatal natural diseases, he died of neck
18	compression.
19	Q. I am going to come back to that in a
20	moment. I do want to be clear with what my
21	question is.
22	Based on the hemorrhages and the
23	other injuries evident in Mr. Grant's body, do
24	you have an opinion or not about whether
25	Mr. Grant would have died immediately after
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1	Dr. Hua
2	that neck compression or whether a lucid
3	interval was possible?
4	A. I do not have enough evidence for me
5	to conclude either way. If the evidence
6	exists, I want to review in its proper context
7	instead of a digested opinion in one way or
8	another.
9	Q. Going back to something that you
10	said, looking at your Paragraph 13, did I
11	understand you correctly that the autopsy did
12	not rule out fatal intoxication?
13	A. If the attempt was done in 2015
14	unsuccessfully, attempt occurred again nine
15	months after your report was completed, why
16	now? Why not now? That's exactly my
17	paragraph number 12 is about. If it still
18	exists, do the testing.
19	Q. Based on the records available to
20	you, can you rule out fatal intoxication?
21	A. Based on the records available to me,
22	three toxicology reports, not detect anything.
23	There's no evidence of intoxication as of now,
24	unless you want to make an argument that
25	absence of evidence is evidence.
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1	Dr. Hua
2	Q. My question is: What additional
3	testing would need to be performed to rule out
4	fatal intoxication, in your view?
5	A. I will ask a reliable toxicologist,
6	first. I mean, I agree with Paragraph 6 of
7	Dr. Gill's report. I agree that no drugs were
8	detected. It means not detected, it just
9	simply means that; "not detected" means not
10	detected.
11	If you try to say no drug detected,
12	there must be a drug intoxication, it's just
13	not the way I use my logic on.
14	Q. Other than the role of a reliable
15	toxicologist, is there any other additional
16	testing that you would expect to be able to
17	rule out fatal intoxication?
18	A. Then ask two reliable toxicologists
19	or three by that argument, because I am not a
20	toxicologist. I am not qualified to make a
21	reasonable, reliable suggestion here. If they
22	did not see anything, it means no detectable
23	intoxication.
24	Q. In the case of Mr. Grant, did you
25	rule out a fatal natural disease?
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1	Dr. Hua
2	A. The autopsy report, appears to me,
3	does not find any significant fatal,
4	stand-alone natural diseases, but in my view,
5	it's my case, I will submit more sections of
6	the heart to rule out the one common disease,
7	myocarditis. I will submit genetic testing.
8	Here, specifically, Dr. Hammers
9	mentioned specimen was retained but not
10	tested. I think the exact wording was
11	"molecular genetics," at the bottom of page 8
12	and first line page 9, the top of the page 9,
13	there is one line here: "Heart, liver and
14	spleen specimens are held for molecular
15	genetic studies if needed in the future."
16	Obviously, the specimen is there, it
17	should be tested. Someone is dead, it's not
18	lighthearted matter. It needs to be tested,
19	it's as simple as that. If it was my case, I
20	would.
21	MS. SIMON: I think I am wrapping up.
22	If you can give me five minutes to look at my
23	notes.
24	(Whereupon, a recess was taken.)
25	MS. SIMON: Back on the record.
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1	Dr. Hua
2	BY MS. SIMON:
3	Q. Just a couple of questions.
4	Dr. Hua, the report that you have
5	attached as I am sorry the report that's
6	attached to Exhibit A, a three-page report,
7	does that accurately state the basis of your
8	opinions in this case?
9	A. My opinions in this case, yes. March
10	11, 2020, yes.
11	Q. Is there anything missing from the
12	report that forms the basis of your opinion?
13	A. As of March 11, 2020, no, nothing in
14	the report.
15	Q. As of today, is there anything
16	missing in the report in terms of your
17	opinion?
18	A. Add of today, no. If more
19	toxicology, more microscopic examination was
20	done, yes. If the alleged videotape you have
21	let me review it, yes.
22	Q. Just to be clear those questions were
23	hypothetical.
24	Is there anything today, anything
25	that you would like to change in your report,
	FREE STATE REPORTING, INC. Court Reporting Transcription D.C. Area 301-261-1902

1	Dr. Hua
2	other than the number of autopsy photographs
3	that you reviewed that you previously
4	mentioned?
5	A. Yes. Just page 2, I need to change
6	it. The date is March 11th, 2020. Under
7	Paragraph 2, the total photographs, autopsy
8	photographs should be 322, instead of 338;
9	and, also, the report's missing a paragraph 6.
10	I guess I'm just not good at the
11	computer.
12	Q. Just to be clear. It's a typo in the
13	paragraph numbering?
14	A. Yes, there is no paragraph 6 to start
15	with; 5 followed by 7. I don't have good
16	penmanship; I'm excused.
17	Q. In cases where you have acted as an
18	expert in the past, has a court ever refused
19	to consider your testimony for whatever
20	reason?
21	A. No, a court has not. To my
22	knowledge, the court based their decision
23	based on the court's decision, but not to my
24	knowledge, no.
25	Q. Dr. Hua, to your knowledge, has a
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1	Dr. Hua
2	court ever discredited or rejected, found
3	invalid or found your opinions to be without
4	basis?
5	A. No one tells me that to my face,
6	that's all I can say. I disagree and that's
7	all fair game, but no one has told me no,
8	that's not worth I don't know.
9	Q. Have you ever been sued for
10	malpractice?
11	A. Not to my knowledge.
12	Q. Have you ever been the subject of any
13	form of disciplinary action from an employer
14	or a licensing board?
15	A. Not to my knowledge.
16	Q. Have you been investigated for
17	professional misconduct?
18	A. Not to my knowledge.
19	Q. No further questions.
20	Thank you very much.
21	MR. LAUFER: Thank you, Doctor.
22	MS. SIMON: I will be providing the
23	original transcript to Mr. Laufer, Dr. Hua;
24	when you get it, if you can review it and
25	indicate any errors within the 30-day time
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1	Dr. Hua
2	frame that's in the rules. That's all.
3	THE WITNESS: If I can get it
4	electronically, it's much easier instead of
5	paper.
6	MR. LAUFER: Sure.
7	(Time noted: 4:55 p.m.)
8	Zhongxue Hua, M.D.
9	Enongrae naa, n.e.
10	Subscribed and sworn to
11	before me this day
12	of , 2021.
13	Notary Public
14	
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1	
2	CERTIFICATION
3	I, MONIQUE CABRERA, a Shorthand
4	Reporter and notary public, within and for the
5	State of New York, do hereby certify:
6	That ZHONGXUE HUA, M.D., the
7	witness whose examination is hereinbefore set
8	forth, was first duly sworn by me on March 26,
9	2021, via Zoom, and that the above transcript
10	is a true record of the testimony given at
11	that time and place.
12	I further certify that I am not
13	related to any of the parties to this action
14	by blood or marriage, and that I am in no way
15	interested in the outcome of this matter.
16	
17	IN WITNESS WHEREOF, I have
18	hereunto set my hand this day of,
19	2021.
20	
21	MONIQUE CABRERA, Court Reporter
22	Court veborter
23	
24	
25	

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1	DEPOSITION ERRATA SHEET
2	
3	Our Assignment No.: 336510
4	Case Caption: NICOLE MORRISON VS UNITED
5	STATES OF AMERICA
6	DECLARATION UNDER PENALTY OF PERJURY
7	
8	I declare under penalty of perjury
9	that I have read the entire transcript of my
10	Arbitration taken in the captioned matter or
11	the same has been read to me, and the same is
12	true and accurate, save and except for changes
13	and/or corrections, if any, as indicated by me
14	on the DEPOSITION ERRATA SHEET hereof, with
15	the understanding that I offer these changes
16	as if still under oath.
17	
18	ZHONGXUE HUA, M.D.
19	Subscribed and sworn to on the day of
20	, 20 before me.
21	
22	Notary Public,
23	in and for the State of
24	·
25	
	EDEE CHAME DEDODMING INC

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1	DEPOSITION ERRATA SHEET
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